

apex Drive

Product Catalogue

energy **API**

Meet or exceeds following international and builder specification :



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Add Life To Your Drive !

At APEX DRIVE, we are passionate about creating high-quality lubricants and greases that keep your vehicles and machinery running smoothly and efficiently. As a leading manufacturer of Lubricants And Greases , we are committed to delivering innovative products that meet the needs of our customers and help them get the most out of their engines.

Our team of experts has years of experience in the Lubricants industry, and we are dedicated to staying at the forefront of technological advances and industry best practices. We use only the highest-quality raw materials and state-of-the-art production processes to ensure that our products meet the highest standards of performance and reliability.

At APEX DRIVE, we take our environmental responsibilities seriously, and we are committed to reducing our carbon footprint and minimizing waste. We use sustainable production processes and recyclable materials wherever possible, and we are constantly looking for new ways to improve our environmental performance. We are proud to offer a wide range of Lubricants and greases that are suitable for all types of vehicles, machinery and operating conditions. Whether you are a professional mechanic, a car enthusiast, a fleet owner or a industrialist you can trust APEX DRIVE to provide you with the best-quality Lubricant solutions on the market.

Thank you for choosing APEX DRIVE! We look forward to helping you keep your engines and machinery running smoothly and efficiently for years to come.

A TRUE LUBRICANTS POWERHOUSE

WE'VE GOT EVERY
VEHICLE COVERED





WHAT DOES" API " MEAN?

The American Petroleum Institute (API) sets the bar for oil products. The API seal of certification on engine oil can tell you about the lubricant's performance and compatibility with your vehicle. The oil industry allows little-to-no time for mistakes. And when safety and time count, API Standards matter. Those who seek Quality, Dependability and High Performance Should Look no further than Apex Drive Lubricants which are API Certified

It's the objective proof and validation that a lubricants is 100% fit for the desired application.

NEVER MISS A SALE WITH Apex Drive

We are on top of latest developments in our rapidly evolving industry and have a history of being first in the aftermarket. Our industry experts keep a close eye on the most recent innovative lubricants accordingly.



Trust the Experts!

APEX SPARK OW-16 SP

APEX SPARK OW-16 SP series are advanced technology engine oil blended in high performance fully synthetic basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SP specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in the latest engine designs operating under severe conditions and protects against the potential for pre-ignition (LSPi) in these engines, including high-performance turbo-charged gasoline direct injection (TGDl) and non TGDl designs, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK OW-16 SP	Test Method	Units	OW-16	OW-20
Density @ 15 °C	ASTM D 4052	gm/cc	0.840	0.840
Viscosity @ 100 °C	ASTM D 445	cSt	7.45	8.6
Viscosity @ 40 °C	ASTM D 445	cSt	38.25	44.8
Viscosity Index	ASTM D 2270	-	165	173
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	220
Total Base Number	ASTM D 2896	mg KOH/g	7.2	7.2
Phosphorous	ASTM D 4951	% wt	0.077	0.077
CCS Viscosity	ASTM D 5293	cP	5060 @ -35 °C	5560 @ -35 °C

- API SP, SN Plus, SN, SM, SL, SJ
- API SP Resource Conserving, SN Plus Resource Conserving, SN Resource Conserving
- ILSAC GF-6B
- HONDA, TOYOTA, MITSUBISHI
- General Motors dexos1 Gen2
- OW20: Ford WSS-M2C947-A/B1, WSS-M2C962-A1
- OW30: Ford WSS-M2C946-A, WSS-M2C929-A, WSS-M2C953-A/B1, WSS-M2C963-A1

APEX SPARK OW-20 SP

APEX SPARK OW-20 SP series are advanced technology engine oil blended in high performance fully synthetic basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SP specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in the latest engine designs operating under severe conditions and protects against the potential for pre-ignition (LSPi) in these engines, including high-performance turbo-charged gasoline direct injection (TGDl) and non TGDl designs, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK OW-20 SP	Test Method	Units	OW-16	OW-20
Density @ 15 °C	ASTM D 4052	gm/cc	0.840	0.840
Viscosity @ 100 °C	ASTM D 445	cSt	7.45	8.6
Viscosity @ 40 °C	ASTM D 445	cSt	38.25	44.8
Viscosity Index	ASTM D 2270	-	165	173
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	220
Total Base Number	ASTM D 2896	mg KOH/g	7.2	7.2
Phosphorous	ASTM D 4951	% wt	0.077	0.077
CCS Viscosity	ASTM D 5293	cP	5060 @ -35 °C	5560 @ -35 °C

- API SP, SN Plus, SN, SM, SL, SJ
- API SP Resource Conserving, SN Plus Resource Conserving, SN Resource Conserving
- ILSAC GF-6A
- HONDA, TOYOTA, MITSUBISHI
- General Motors dexos1 Gen2
- OW20: Ford WSS-M2C947-A/B1, WSS-M2C962-A1
- OW30: Ford WSS-M2C946-A, WSS-M2C929-A, WSS-M2C953-A/B1, WSS-M2C963-A1

APEX SPARK OW-30 SN

APEX SPARK OW-30 SN/CF series is formulated with fully synthetic base stocks and advanced technology additive system to provide extra high level of engine protection and performance. It is suitable for higher mileage gasoline and diesel powered modern automobiles requiring an API SN/CF specification, where very high viscosity index oils are preferred to provide much longer oil drain intervals & fuel efficiency in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK OW-30 SN	Test Method	Units	OW-30	OW-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.840	0.845
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	54.2	80.9
Viscosity Index	ASTM D 2270	-	185	185
Pour Point	ASTM D 97	°C	-48	-48
Flash Point (COC)	ASTM D 92	°C	228	236
Total Base Number	ASTM D 2896	mg KOH/g	10.2	10.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	4050 @ -35 °C	4180 @ -35 °C

- API SN, SM, SL, SJ, CF
- ACEA A3/B3, A3/B4
- VW 502 00/505 00
- Porsche A40
- BMW Long Life- 01
- Renault RN 0700/0710
- MB 229.3 / 229.5

APEX SPARK OW-20 FE SN

APEX SPARK OW-20 FE SN series are advanced technology engine oils blended in high performance fully synthetic (PAO – polyalphaolefin) basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SN specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK OW-20 FE SN	Test Method	Units	OW-20	OW-30
Density @ 15 °C	ASTM D 4052	gm/cc	0.840	0.845
Viscosity @ 100 °C	ASTM D 445	cSt	8.6	10.4
Viscosity @ 40 °C	ASTM D 445	cSt	44.8	58.0
Viscosity Index	ASTM D 2270	-	173	171
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	225
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
Phosphorous	ASTM D 4951	% wt	0.078	0.078
CCS Viscosity	ASTM D 5293	cP	5560 @ -35 °C	5600 @ -35 °C

- API SN, SM, SL, SJ
- Ford WSS-M2C947-A/B1
- ILSAC GF-5, HONDA, TOYOTA, MITSUBISHI
- General Motors dexos1
- APEX SPARK OW30 SN also meets
- ACEA A1/B1

APEX SPARK 5W-30 SP

APEX SPARK 5W-30 SP	Test Method	Units	5W-20	5W-30
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.845
Viscosity @ 100 °C	ASTM D 445	cSt	8.2	10.4
Viscosity @ 40 °C	ASTM D 445	cSt	43.05	58.65
Viscosity Index	ASTM D 2270	-	169	169
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	225
Total Base Number	ASTM D 2896	mg KOH/g	7.2	7.2
Phosphorous	ASTM D 4951	% wt	0.077	0.077
CCS Viscosity	ASTM D 5293	cP	5250 @ -30 °C	5600 @ -30 °C

- API SP, SN Plus, SN, SM, SL, SJ (5W40 meets only this specs)
- General Motors dexos1 Gen2
- API SP Resource Conserving, SN Plus Resource Conserving, SN Resource Conserving
- ILSAC GF-6A, HONDA, TOYOTA, MITSUBISHI
- Ford WSS-M2C946-A/B1, WSS-M2C929-A (5W30 only)
- Ford WSS-M2C945-A/B1, WSS-M2C930-A (5W20 only)

APEX SPARK 5W-30 SN

APEX SPARK 5W-30 SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	58.65	88.6
Viscosity Index	ASTM D 2270	-	169	168
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	228
Total Base Number	ASTM D 2896	mg KOH/g	10.2	10.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4650 @ -30 °C

- API SN, SM, SL, SJ, CF
- ACEA A3/B3, A3/B4
- VW 502 00/505 00
- Porsche A40
- BMW Long Life- 01
- Renault RN 0700
- MB- Approval 229.3

APEX SPARK 5W-30 C3 SN

APEX SPARK 5W-30 C3 SN	Test Method	Units	5W-30
Density @ 15 °C	ASTM D 4052	gm/cc	0.848
Viscosity @ 100 °C	ASTM D 445	cSt	10.4
Viscosity @ 40 °C	ASTM D 445	cSt	58.65
Viscosity Index	ASTM D 2270	-	169
Pour Point	ASTM D 97	°C	-42
Flash Point (COC)	ASTM D 92	°C	220
Total Base Number	ASTM D 2896	mg KOH/g	7.6
Phosphorous	ASTM D 4951	% wt	0.078
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C

- API SN, CF
- BMW Longlife-04
- MB 229.31
- ACEA C3/C2
- VW 502/505
- Porsche C30

APEX SPARK 5W-40 SM

APEX SPARK 5W-40 SM	Test Method	Units	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	88.6
Viscosity Index	ASTM D 2270	-	168
Pour Point	ASTM D 97	°C	-39
Flash Point (COC)	ASTM D 92	°C	228
Phosphorous	ASTM D 4951	% wt	0.072
CCS Viscosity	ASTM D 5293	cP	4650 @ -30 °C

- API SM, SL, SJ

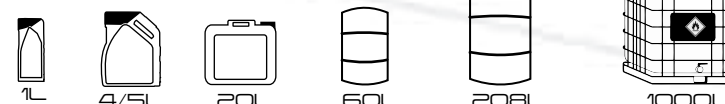
APEX SPARK 5W-30 SP series are advanced technology engine oil blended in high performance fully synthetic basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SP specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in the latest engine designs operating under severe conditions and protects against the potential for pre-ignition (LSPi) in these engines, including high-performance turbo-charged gasoline direct injection (TGDl) and non TGDl designs, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK 5W-30 SN series is formulated with synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline and diesel fueled automobiles and light duty trucks requiring an API SN specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

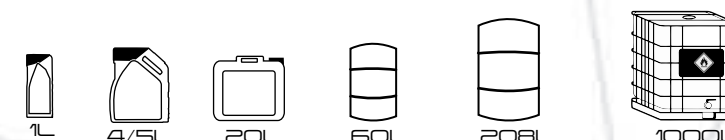
APEX SPARK 5W30 C3 SN is a fully synthetic advanced performance engine oils blended in high performance synthetic basestocks fortified with advanced technology additive system, specifically formulated to provide exceptional cleaning power, wear protection and overall performance. It helps prolong the life and maintain the efficiency of Car Emission Reduction Systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Low content in Sulphated Ash, Phosphorus and Sulphur reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's).

APEX SPARK 5W-40 SM series is designed with synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline and diesel fueled automobiles and light duty trucks requiring an API SM/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

OUR PACKING SIZES



OUR PACKING SIZES



HOW TO READ OUR LABELS

THE PRODUCTS NAME

The complete products names start with **A** sub-category products classification followed by the viscosity grade and API/ACEA classification.

COMPOSITION THE PRODUCT AND SEGMENTATION

All products are classified as mineral, Fully Synthetic or Semi Synthetic motor oil with a color code for each all type.

PACKAGING CONTENT

An indication of the volume of content of the specific packing size.

USAGE, HEALTH AND ENVIRONMENT INFORMATION

An indication of the volume of content of the specific packing size.

ENVIRONMENT PICTOGRAMS

These pictograms highlight country specific environmental legislation.

THE OEM SPECIFICATION LEVEL

All relevant OEM specification levels and approvals are listed here.



THE LOGO

The Apex Drive Lubricants logo represents both engine and human performance and above all, the power of our products!

THE API & ACEA CLASSIFICATION

These are the most recent API & ACEA CLASSIFICATIONS.



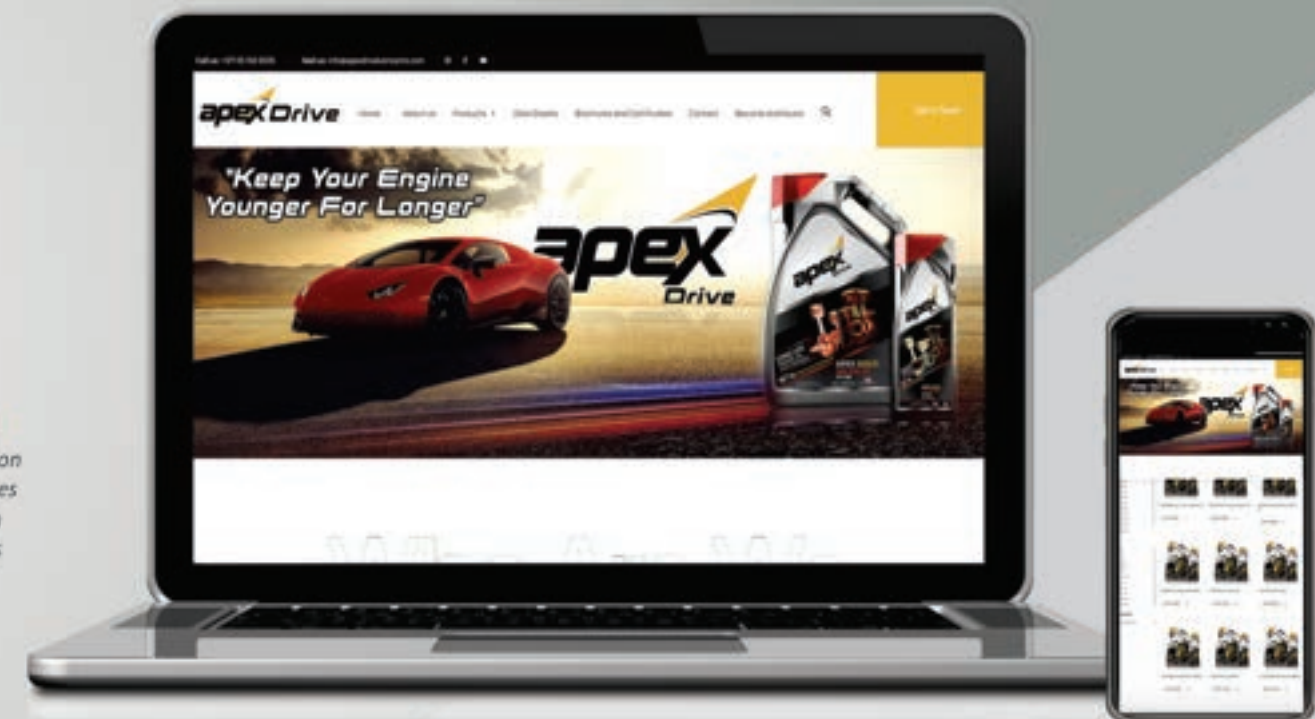
THE PRODUCT DESCRIPTION

A product description for engine oil is a concise presentation detailing the essential attributes of the lubricant. It outlines key performance benefits, conveying crucial information to consumers about how the product optimally supports engine health, longevity, and efficiency.

PACKAGING CONTENT

Indicates the volume of content of the specific packing size.

ALWAYS THE RIGHT PRODUCTS AT YOUR FINGERTIPS



OUR DIGITAL PLATFORMS



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APEX SPARK 5W-30 LL SN



APEX SPARK 5W-30 LL SN	Test Method	Units	5W-30
Density @ 15 °C	ASTM D 4052	gm/cc	0.8425
Viscosity @ 100 °C	ASTM D 445	cSt	12.0
Viscosity @ 40 °C	ASTM D 445	cSt	68.85
Viscosity Index	ASTM D 2270	-	173
Pour Point	ASTM D 97	°C	-45
Flash Point (COC)	ASTM D 92	°C	235
Total Base Number	ASTM D 2896	mg KOH/g	8.8
Phosphorous	ASTM D 4951	% wt	0.078
CCS Viscosity	ASTM D 5293	cP	5950 @ -30 °C

- API SN, CF
- ACEA C3-12
- MB 229.51
- Porsche C30
- BMW Longlife-04
- VW 504.00/507.00
- GM dexos2

APEX SPARK LL 5W30 SN is an advanced technology fully synthetic high performance engine oil formulated with perfect blend of severely refined fully synthetic and PAO (Polyalphaolefin) basestocks fortified with sophisticated additive technology, specifically to provide extra long oil drain intervals (long life), save fuel consumption, protect antipollution systems and improve overall engine performance. It helps prolong the life and maintain the efficiency of Car Emission Reduction Systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Low content in Sulphated Ash, Phosphorus and Sulphur reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's)

APEX SPARK 5W-30 C4 SN



APEX SPARK 5W-30 C4 SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	12.0	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	69.55	88.6
Viscosity Index	ASTM D 2270	-	171	168
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	230	235
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
Phosphorous	ASTM D 4951	% wt	0.050	0.050
Sulphated Ash	ASTM D 874	% wt	<0.50	<0.50
CCS Viscosity	ASTM D 5293	cP	6250 @ -30 °C	6450 @ -30 °C

- API SN, CF
- ACEA C4-16
- Renault RN 0720
- MB 226.51

APEX SPARK 5W-30 C4 SN series is a range of advanced technology fully synthetic engine oils blended in severely refined basestocks fortified with latest additive technology system, specifically to provide optimum engine durability with improved anti-wear properties, maximum engine cleanliness & extended oil drain intervals due to greater retention of detergency and dispersion properties, reduced fuel consumption and improved overall engine performance. It helps prolong the life and maintain the efficiency of Car Emission Reduction Systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Low-SAPS product technology complying with latest 'Euro V' emission control norms, effectively reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's) ensuring greater compatibility with exhaust post-treatment systems for longer lifetime.

APEX SPARK 5W-30 ESP SN



APEX SPARK 5W-30 ESP SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	12.0	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	69.55	88.6
Viscosity Index	ASTM D 2270	-	171	168
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	230	235
Total Base Number	ASTM D 2896	mg KOH/g	7.8	7.8
Phosphorous	ASTM D 4951	% wt	0.075	0.075
CCS Viscosity	ASTM D 5293	cP	6050 @ -30 °C	6250 @ -30 °C

- API SN, CF
- ACEA C3/C2-16
- MB 229.31/51
- VW 502/505.00/505.01
- GM dexos2, Hyundai, Kia
- BMW Longlife-04

APEX SPARK 5W-30 ESP SN series is an advanced technology fully synthetic high performance engine oils blended in severely refined fully synthetic basestocks fortified with sophisticated additive technology, specifically to provide extended oil drain intervals, save fuel consumption, protect antipollution systems and improve overall engine performance. It helps prolong the life and maintain the efficiency of Car Emission Reduction Systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Low content in Sulphated Ash, Phosphorus and Sulphur reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's).

APEX SPARK 5W-40 C2 SN



APEX SPARK 5W-40 C2 SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	12.0	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	69.55	88.6
Viscosity Index	ASTM D 2270	-	171	168
Pour Point	ASTM D 97	°C	-42	-42
Flash Point (COC)	ASTM D 92	°C	230	235
Total Base Number	ASTM D 2896	mg KOH/g	7.8	7.8
Phosphorous	ASTM D 4951	% wt	0.075	0.075
CCS Viscosity	ASTM D 5293	cP	6050 @ -30 °C	6250 @ -30 °C

- API SN, CF
- Renault RN 0700
- ACEA C2-12
- PSA B71 2290

APEX SPARK 5W-40 C2 SN series are fully synthetic advanced performance engine oils blended in high performance synthetic basestocks fortified with advanced technology additive system, specifically formulated to provide exceptional cleaning power, wear protection and overall performance. It helps prolong the life and maintain the efficiency of exhaust gas after treatment systems in both diesel and gasoline powered automobile engines, with recent multi-valve engines equipped with turbochargers and direct injection fuel systems. Mid SAPS (Sulphated Ash, Phosphorus and Sulphur) reduces particulate build up in Diesel Particulate Filters (DPF's) and avoids poisoning of Gasoline Catalytic Converters (CAT's).

APEX SPARK 10W-30 SP

APEX SPARK SAE 10-30 SP series are advanced technology engine oil blended in high performance fully synthetic basestocks fortified with precisely balanced additive system, specifically to help deliver high level of performance and outstanding protection during long service intervals. It is suitable for the latest downsized engines equipped with stop & start technologies and hybrid engines requiring an API SP specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in the latest engine designs operating under severe conditions and protects against the potential for pre-ignition (LSPI) in these engines, including high-performance turbo-charged gasoline direct injection (TGTDI) and non TGTDI designs, supercharged gasoline and certain diesel multi-valve fuel injected systems.

APEX SPARK 10W-30 SP	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	95
Viscosity Index	ASTM D 2270	-	156	155
Pour Point	ASTM D 97	°C	-36	-36
Flash Point (COC)	ASTM D 92	°C	225	230
Total Base Number	ASTM D 2896	mg KOH/g	7.2	7.2
Phosphorous	ASTM D 4951	% wt	0.077	0.077
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	5650 @ -25 °C

- API SP, SN Plus, SN, SM, SL, SJ (10W40 meets only this specifications)
- API SP Resource Conserving, SN Plus Resource Conserving, SN Resource Conserving, ACEA A5/B5
- ILSAC GF-6A, HONDA, TOYOTA, MITSUBISHI
- General Motors dexos1 Gen2



APEX SPARK 10W-40 SN

APEX SPARK 10W-40 SN/CF series is designed with synthetic blend base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline fueled automobiles and light duty trucks requiring an API SN/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines and better oil consumption control in older vehicles where oil usage (burning) is an issue. Improved fuel economy & easy cold starts due to good fluidity at low temperatures. High resistant oil film even at high engine operating temperatures. Excellent detergency and dispersancy, reduces sludge formation which improves engine cleanliness. Excellent oxidation & thermal stability, helps in extending oil drain intervals. Superior wear protection for greater engine reliability and performance.

APEX SPARK 10W-40 SN/CF	Test Method	Units	10W-40	10W-60
Density @ 15 °C	ASTM D 4052	gm/cc	0.870	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	22.50
Viscosity @ 40 °C	ASTM D 445	cSt	95	175.7
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-36	-36
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	10.2	10.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	5650 @ -25 °C	6050 @ -25 °C

- API SN, SM, SL, SJ, CF
- MB 229.3
- ACEA A3/B3, A3/B4-12
- Renault RN0700/0710
- VW 502 00/505 00



APEX SPARK 10W-40 SM

APEX SPARK 10W-40 SM series is designed with semi-synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline fueled automobiles and light duty trucks requiring an API SM/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines and better oil consumption control in older vehicles where oil usage (burning) is an issue.

APEX SPARK 10W-40 SM	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	95
Viscosity Index	ASTM D 2270	-	156	155
Pour Point	ASTM D 97	°C	-36	-36
Flash Point (COC)	ASTM D 92	°C	220	230
Phosphorous	ASTM D 4951	% wt	0.072	0.072
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	5650 @ -25 °C

- API SM, SL, SJ, CF



APEX SPARK 10W-40 SL

APEX SPARK 10W-40 SL/CF series are designed with high quality base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise.

APEX SPARK 10W-40 SL	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	95
Viscosity Index	ASTM D 2270	-	156	155
Pour Point	ASTM D 97	°C	-36	-36
Flash Point (COC)	ASTM D 92	°C	215	230
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
Phosphorous	ASTM D 4951	% wt	0.098	0.098
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	5650 @ -25 °C

- API SL, SJ, CF
- ACEA A3/B3
- MB Approval 229.1
- VW 505 00



OUR PACKING SIZES



OUR PACKING SIZES

APEX SPARK 15W-40 SN/CF



APEX SPARK 15W-40 SN/CF series is designed with semi-synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline fueled automobiles and light duty trucks requiring an API SN/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines and better oil consumption control in older vehicles where oil usage (burning) is an issue.

APEX SPARK 15W-40 SN/CF	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	100
Viscosity Index	ASTM D 2270	-	147
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	10.2
Phosphorous	ASTM D 4951	% wt	0.1
CCS Viscosity	ASTM D 5293	cP	5600 @ -20 °C

- API SN, SM, SL, SJ, CF
- ACEA A3/B3, A3/B4
- MB 229.1
- Renault RN0700

APEX SPARK 15W-40 SM



APEX SPARK 15W-40 SM series is designed with semi-synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline fueled automobiles and light duty trucks requiring an API SN/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines and better oil consumption control in older vehicles where oil usage (burning) is an issue.

APEX SPARK 15W-40 SM	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.865
Viscosity @ 100 °C	ASTM D 445	cSt	19.66
Viscosity @ 40 °C	ASTM D 445	cSt	154.6
Viscosity Index	ASTM D 2270	-	147
Pour Point	ASTM D 97	°C	-36
Flash Point (COC)	ASTM D 92	°C	235
Total Base Number	ASTM D 2896	mg KOH/g	10.2
Phosphorous	ASTM D 4951	% wt	0.1
CCS Viscosity	ASTM D 5293	cP	5550 @ -20 °C

- API SM, SL, SJ, CF
- ACEA A3/B3, A3/B4

APEX SPARK 15W-40 SL/CF



APEX SPARK 15W-40 SL/CF is designed with high quality base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise.

APEX SPARK 15W-40	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.878
Viscosity @ 100 °C	ASTM D 445	cSt	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	100
Viscosity Index	ASTM D 2270	-	147
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	7.8
Phosphorous	ASTM D 4951	% wt	0.098
CCS Viscosity	ASTM D 5293	cP	5600 @ -20 °C

- API SL, SJ, CF
- ACEA A3/B3
- MB 229.1
- VW 505 00

APEX SPARK 15W-40 SJ/CF

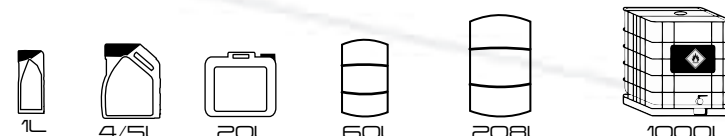


APEX SPARK 15W-40 SJ/CF series is formulated with high quality base stocks and balanced additive system to provide high level of engine protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most car manufacturers and is suitable for standard services.

APEX SPARK 15W-40 SJ/CF	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.878
Viscosity @ 100 °C	ASTM D 445	cSt	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	100
Viscosity Index	ASTM D 2270	-	147
Pour Point	ASTM D 97	-33	
Flash Point (COC)	ASTM D 92	230	
Total Base Number	ASTM D 2896	mg KOH/g	7.8
Phosphorous	ASTM D 4951	% wt	0.098
CCS Viscosity	ASTM D 5293	cP	5600 @ -20 °C

- API SJ, CF
- ACEA A3/B3
- MB Approval 229.1
- VW 505 00

OUR PACKING SIZES



APEX SPARK 20W-40 SN/CF

APEX SPARK 20W-40 SN/CF	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	8.2	8.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API SN, SM, SL, SJ, CF
- MB Approval 229.1
- ACEA A3/B3
- Volkswagen VW 505 00

APEX SPARK 20W-40 SL/CF

APEX SPARK 20W-40 SL/CF	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	7.8	7.8
Phosphorous	ASTM D 4951	% wt	0.098	0.098
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API SL, SJ, SG, SF, CF, CD
- MB Approval 229.1
- ACEA A3/B3
- Volkswagen VW 505 00

APEX SPARK 20W-40 SG/CD

APEX SPARK 20W-40 SG/CD	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	6.2	6.2
Phosphorous	ASTM D 4951	% wt	0.079	0.079
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -

- API SG, SF, CF, CD
- ACEA A2/B2

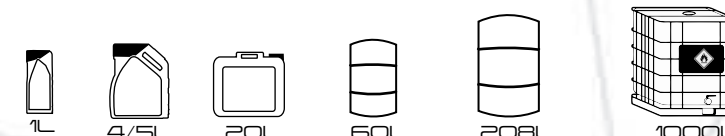
APEX SPARK 20W-50 SF/CD

APEX SPARK 20W-50 SF/CD	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	5.8	5.8
Phosphorous	ASTM D 4951	% wt	0.078	0.078
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API SF, CD
- ACEA A2/B2



OUR PACKING SIZES





APEX SPARK

State-of-the art Fully synthetic oils supporting optimum fuel economy and low emission.



APEX GOLD

Advanced lubricants ideally suited for modern vehicles with petrol engines and diesel engines the latest aftertreatment systems.



APEX SPARK ESP

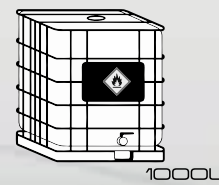
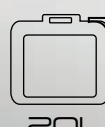
Boosted to guarantee protection of engine accumulating a high number of kilometers.



APEX TURBO

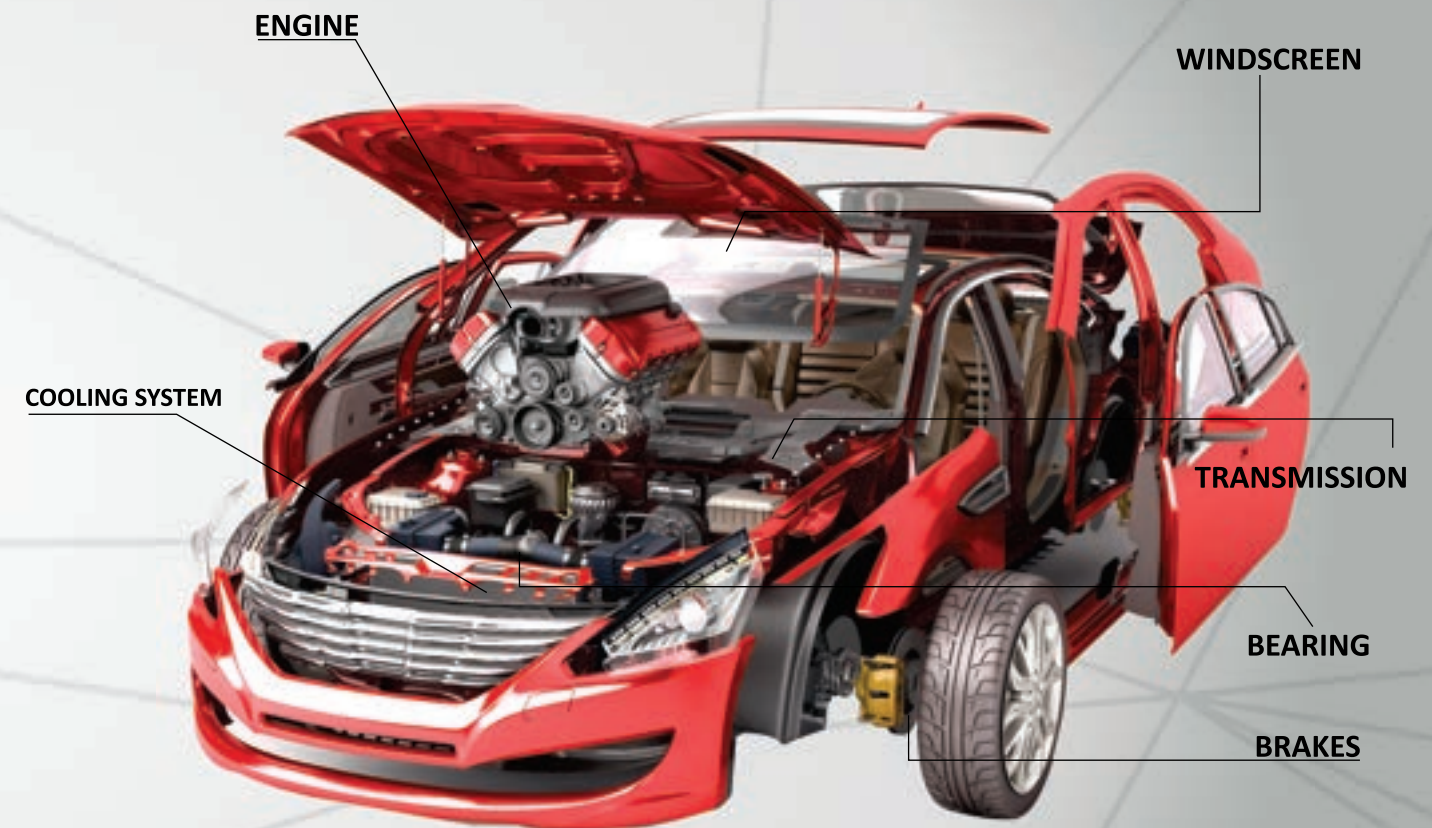
Active protection and lubrication for the robust performance of heavy duty vehicles and commercial fleets

AVAILABLE IN
DIFFERENT
PACKING SIZES



OVER
250
HIGH QUALITY
PRODUCTS

ONE STOP FOR YOUR BUSINESS



In our drive to help you be successful in the most efficient way, we offer you everything you need when it comes to Lubricants.
Apex drive is one-stop solution provider, offering a board and complete product portfolio, covering all applications for all segments and vehicle type. This allows you to meet all market needs from the most basic industry standards up to the most demanding OEM requirements.



APEX TRANSYN DCTF

APEX Transyn DCTF is a high performance dual clutch transmission fluid, formulated with high quality fully synthetic base stocks and advanced additive technology with consistent shear stability for maintaining optimum film thickness for reliable protection of gears and bearings, also providing an outstanding improvement in friction durability enabling longer drain intervals under a broad range of driving conditions, temperatures and transmissions. It is designed specifically to be used as a service-fill DCT transmission fluid for European, Asian and American vehicles equipped with wet & dry dual clutch transmissions. Outstanding torque retention to provide smooth shift feel without NVH (Noise, Vibration and Harshness) concerns and all-around lubrication protection of the transmission components to help extend transmission service life with a smooth driving experience. It provides exceptional copper corrosion protection for better hardware durability, excellent oxidation control to provide longer fluid life and good seal compatibility for better leakage prevention.

APEXTRANSYN DCTF	Test Method	Units	DCTF
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.855
Viscosity @ 100 °C	ASTM D 445	cSt	7.25
Viscosity @ 40 °C	ASTM D 445	cSt	35.5
Viscosity Index	ASTM D 2270	-	175
Pour Point	ASTM D 97	°C	-48
Flash Point (COC)	ASTM D 92	°C	205
Brookfield Viscosity @ -40°C	ASTM D 2983	cP	11,500

- VW (Audi, Seat, Skoda) 6-speed FWD
- Renault EDC 6-speed
- Chrysler Powershift 6-speed
- Ford Powershift 6-Speed
- Mitsubishi TC-SST 6-speed
- Volvo powershift 6-speed
- Peugeot / Citroen DCS 6-speed
- Bugatti Veyron

APEX TRANSYN CVTF

APEX Transyn CVTF is a high performance continuous variable transmission fluid, formulated with high quality fully synthetic base stocks and advanced additive technology to ensure consistent repeatable, smooth, step-less shifts under a broad range of driving conditions, temperatures and transmissions. It meets or exceeds the requirements of specifications for many Japanese, American & European designed vehicles and is also suitable in most OEMs CVTs with chain and push belt. It provides smoother, consistent all weather step-less shifting, and all-around lubrication protection of the transmission components to help extend transmission service life and provide a smooth driving experience. Suitable for refill of most pulley-based continuously variable transmissions in Japanese and Korean designed vehicles (except for CVTs that require gear oils and toroidal CVTs), where it emphasizes on Anti Shudder Durability performance.

APEX SPARK CVTF	Test Method	Units	CVTF
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	7.15
Viscosity @ 40 °C	ASTM D 445	cSt	34.7
Viscosity Index	ASTM D 2270	-	175
Pour Point	ASTM D 97	°C	-48
Flash Point (COC)	ASTM D 92	°C	205
Brookfield Viscosity @ 40°C	ASTM D 5293	cP	10,000

- Audi/VW (TL 52180; G 052 180; G 052 516)
- Daihatsu (Amix CVTF-DC / Amix CVTF DFE)
- Dodge / Jeep CVT (NS-2 / CVTF-4 / MOPAR CVT 4)
- GM/Saturn (DEX-CVT/CVTF I-Green2*)
- Honda (HMMF, HCF-2)
- Mitsubishi (CVTF-J1/CVTF-DiaQueen J1 /DiaQueen J-4/5p-III)
- Hyundai Genuine CVTF
- Hyundai / Kia (SP-III, SP CVT I)
- Mercedes Benz CVT28 (236.20)
- BMW/Mini Cooper 8322 0 136 376
- /8322 0 429 154 (EZL 799) Suzuki (TC / NS-2 / CVT Green 1 / CVTF Green 2/CVTF 3320)
- Suzuki (TC / NS-2 / CVT Green 1 / CVTF Green 2/CVTF 3320)
- Subaru (NS-2) Lineartronic CVTF /I-CVTF/K0425Y0710/CV-30/e-CVTF)
- Ford (CVT23 / CVT30 / MERCON C/CFT30/WSS-M2C933-A/Motorcr - XT-7-QCFT



APEX Transfluid ATF TYPE A

APEX TRANSFLUID ATF TYPE A is a high performance automatic transmission oil, formulated with high quality base stocks, shear stable viscosity index improvers and advanced additive system to meet or exceed the requirements of General Motors for Type A specification. Suitable for passenger cars and commercial automatic transmissions, for use in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

APEX TRANSFLUID TYPE A	Test Method	Units	DEX II
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.876
Viscosity @ 100 °C	ASTM D 445	cSt	7.6
Viscosity @ 40 °C	ASTM D 445	cSt	41.3
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-45
Flash Point (COC)	ASTM D 92	°C	202

- GM Dexron Type A
- MB 236.2



APEX TRANSFLUID DXII series

APEX I Transfluid DXII is a high performance automatic transmission oil, formulated with high quality hydro-treated base stocks and advanced additive system including viscosity index improvers, antioxidants, and defoamers providing smooth and controlled friction/wear characteristics, to meet or exceed the requirements of Ford Mercon and General Motors for Dexron II specification. Suitable for passenger cars and commercial automatic

APEX Transfluid DXII/DXIII	Test Method	Units	DX II
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.865
Viscosity @ 100 °C	ASTM D 445	cSt	7.2
Viscosity @ 40 °C	ASTM D 445	cSt	37.5
Viscosity Index	ASTM D 2270	-	160
Pour Point	ASTM D 97	°C	-45
Flash Point (COC)	ASTM D 92	°C	202

transmissions, for use in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

- GM Dexron II, Type A & FordMB 236.1/5/6/7/9
- Allison C-4MAN 339 Z1 & V1
- Voith Turbo 55.6335 (G607 list)ZF
- TE-ML 02F/4D/09/11A/11B/14A/17C
- Volvo 97340CAT TO-2



OUR PACKING SIZES

APEX SYNCHRO 75W-80 EP GL-5

APEX SYNCHRO EP 75W80 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy duty manual transmissions of most OEM like MAN, IVECO, DAF and RENAULT. More over, these oils are specially engineered for fuel economy manual transmissions in commercial vehicles.

APEX SYNCHRO EP 75W80 GL-5	Test Method	Units	75W80
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 40 °C	ASTM D 445	cSt	56.5
Viscosity @ 100 °C	ASTM D 445	cSt	9.5
Viscosity Index	ASTM D 2270	-	152
Pour Point	ASTM D 97	°C	-42
Flash Point (COC)	ASTM D 92	°C	220
Copper Strip Corrosion	ASTM D 130	-	1A
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0
Phosphorus	ASTM D 4951	%wt	0.026

- API GL-5
- SAE J2360
- MB 235.28
- MAN 341 Type E-3/Z-4
- ZF TE ML 01L, 02L, 16K
- Volvo 97305



APEX SYNCHRO HD 80W-140 GL-5

APEX SYNCHRO 80W140 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy-duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy-duty axles and final drives where extreme pressures and shock loadings are expected.

APEX SYNCHRO EP 80W-140 GL-5	Test Method	Units	80W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.89
Viscosity @ 40 °C	ASTM D 445	cSt	254
Viscosity @ 100 °C	ASTM D 445	cSt	25.6
Viscosity Index	ASTM D 2270	-	130
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	242
Copper Strip Corrosion	ASTM D 130	-	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0
Phosphorus	ASTM D 4951	%wt	0.055

- API GL-5/MT-1
- SAE J2360
- MIL-PRF-2105E
- Mack GO-J
- Scania STO 1:0
- Meritor 0-76-N
- ZF TE ML 05A, 12M,16F, 21A



APEX SYNCHRO 75W-90 GL-5

APEX SYNCHRO HD 75W90 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy-duty axles and final drives where extreme pressures and shock loadings are expected.

APEX SYNCHRO HD 75W-90 GL-5	Test Method	Units	75W90
Density @ 15 °C	ASTM D 4052	gm/cc	0.87
Viscosity @ 40 °C	ASTM D 445	cSt	97.25
Viscosity @ 100 °C	ASTM D 445	cSt	14.5
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-39
Flash Point (COC)	ASTM D 92	°C	222
Copper Strip Corrosion	ASTM D 130	-	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0
Phosphorus	ASTM D 4951	%wt	0.055

- API GL-5/MT-1
- SAE J2360
- MIL-PRF-2105E
- Mack GO-J
- Scania STO 1:0
- MAN 342 M2
- ZF TE ML 05A,12L,12N,16F, 17B,19C, 21A
- Volvo 97312
- MB 235.8
- Meritor 0-76-N

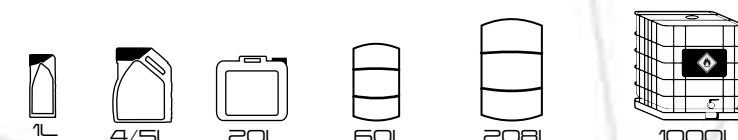


APEX SYNCHRO 80W-90 GL-5

APEX SYNCHRO 80W-90 HD series of lubricants are high performance heavy duty gear oils, formulated from high quality base oils and an advanced additive system. These lubricants are designed for automotive heavy-duty trans- missions, axles and final drives. Moreover these oils are specially engin engineered for heavy-duty axles and final drives where extreme pressures and shock loadings are expected.

APEX SYNCHRO HD 80W-90 GL-5	Test Method	Units	90	140	80W90	85W90	85W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.890	0.910	0.888	0.890	0.908
Viscosity @ 40 °C	ASTM D 445	cSt	145	447	146	190	356
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	30.0	14.7	17.4	25.6
Viscosity Index	ASTM D 2270	-	96	95	100	97	95
Pour Point	ASTM D 97	°C	-12	-9	-24	-24	-15
Flash Point (COC)	ASTM D 92	°C	240	260	230	236	248
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	20/0	10/0	10/0	20/0
Phosphorus	ASTM D 4951	%wt	0.055	0.055	0.055	0.055	0.055

- API GL-5
- MIL-L-2105D (U.S Military Specification)
- MAN 342 M2
- ZF TE ML 05A, 7A, 12E, 16B,C & D, 17B, 19B, 21A



OUR PACKING SIZES



APEX ANTIFREEZE 33% GREEN COLOR

APEX ANTIFREEZE radiator coolant is formulated with high quality corrosion inhibited Mono-Ethylene glycol liquid and carefully selected add-itives to provide year round automotive cooling system treatment. It is designed to provide complete cooling system protection in a concentration range of 33% to 100% by volume.

APEX ANTIFREEZE 33%	Test Method	Units	Value	Concentration
Grade	--	--	33%	40% 50-50 100%
Density @ 20 °C	ASTM D 4052	gm/cc	1.050 1.080 1.089 1.118	
Color	ASTM D 1500	--	Green Green Green Green	
pH	ASTM D 1287	--	7.9 8.0 8.0 9.6	
Boiling Point	ASTM D 1120	°C	>105 >135 >140 150 min	
Flash Point	ASTM D 92	°C	>110 >110 >110 110 min	
Freezing Point	ASTM D 1177	°C	-18 -27 -36 N/A	

- ASTM 3306
- British Standard - BS 6580



APEX ANTIFREEZE ELC RED COLOR

APEX ANTIFREEZE ELC an 'Extended Life Coolant' is fill for life antifreeze concentrate, formulated with high quality Ethylene glycol and Organic Acid Technology (OAT) based corrosion inhibitor (BASF Glysantin G30) additive to provide year round automotive cooling system treatment. It is designed to provide complete cooling system protection in a concentration range of 30% to 50% by volume. It is free from nitrite, amine, phosphate, silicate and borate and based on mono ethylene glycol, which must be diluted with water before use.

APEX ANTIFREEZE ELC	Test Method	Units	Value
Chemical Nature	--	--	Mono Ethylene Glycol - Glysantin G30
Density @ 20 °C	ASTM D 4052	gm/cc	1.122 - 1.125
Color	ASTM D 1500	--	Magenta/Fluorescent Pink/Red
Viscosity @ 20 °C	ASTM 445	mm2/sec	22 - 26
Refraction @ 20 °C	DIN 51423	--	1.432 - 1.436
pH	ASTM D 1287	--	8.2 - 8.6
Boiling Point	ASTM D 1120	°C	>160
Flash Point	ASTM D 92	°C	>120
Freezing Point	ASTM D 1177	°C	N/A

Product Name	Cool ELC	Water	Freeze Protection, acc. ASTM D 1177
Apex Antifreeze ELC -18 °C	33%	67%	-18 °C
Apex Antifreeze ELC -37 °C	50%	50%	-37 °C

- MAN 324-SNF
- Mercedes-Benz DBL 7700.30, page 325.3
- MTU MTL 5048
- Porsche Carrera, Boxster, Cayenne
- Scania T1 02-98 0813 T/B/M sv
- VW/Audi/Seat/Skoda/Bentley/Lamborghini: TL 774-D/F



APEX ANTIFREEZE 100% GREEN COLOR

APEX ANTIFREEZE radiator coolant is formulated with high quality corrosion inhibited Mono-Ethylene glycol liquid and carefully selected add-itives to provide year round automotive cooling system treatment. It is designed to provide complete cooling system protection in a concentration range of 33% to 100% by volume.

APEX ANTIFREEZE 100%	Test Method	Units	Value	Concentration
Grade	--	--	33%	40% 50-50 100%
Density @ 20 °C	ASTM D 4052	gm/cc	1.050 1.080 1.089 1.118	
Color	ASTM D 1500	--	Green Green Green Green	
pH	ASTM D 1287	--	7.9 8.0 8.0 9.6	
Boiling Point	ASTM D 1120	°C	>105 >135 >140 150 min	
Flash Point	ASTM D 92	°C	>110 >110 >110 110 min	
Freezing Point	ASTM D 1177	°C	-18 -27 -36 N/A	

- ASTM 3306
- British Standard - BS 6580



APEX ANTIFREEZE LLC RED COLOR

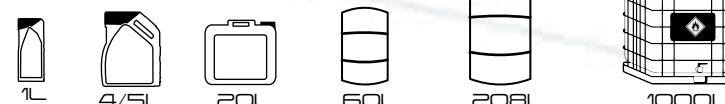
APEX ANTIFREEZE LLC a 'Long Life Coolant' is fill-for-life antifreeze concentrate, formulated with high quality Ethylene glycol and Silicate - Hybrid Technology based corrosion inhibitor (BASF Glysantin G48) additive to provide year round automotive cooling system treatment. It is designed to provide complete cooling system protection in a concentration range of 33% (-18 °C) & 50% (-37 °C) by volume. It is free from nitrite, amine, phosphate and borate and based on mono ethylene glycol, which must be diluted with water before use.

APEX ANTIFREEZE LLC	Test Method	Units	Value
Chemical Nature	--	--	MonoEthyleneGlycol- GlysantinG48
Density@ 20 °C	ASTMD 4052	gm/cc	1.122 - 1.125
Color	ASTMD 1500	--	Blue
Viscosity@ 20 °C	ASTM445	mm2/sec	22 - 26
Refraction @ 20 °C	DIN51423	--	1.432 - 1.436
pH	ASTMD 1287	--	8.2 - 8.6
BoilingPoint	ASTMD 1120	°C	>160
Flash Point	ASTMD 92	°C	>120
FreezingPoint	ASTMD 1177	°C	N/A

Product Name	Eiffel Dura Cool LLC	Water	Freeze Protection, acc. ASTM D 1177
Apex Antifreeze LLC -18 °C	33%	67%	-18 °C
Apex Antifreeze LLC -37 °C	50%	50%	-37 °C

- Opel/GM B 040 0240
- Deutz H-LV 0161 0188
- Saab 69011599
- Liebherr TLV 035, TLV 23009 A
- Jenbacher TA-Nr. 1000-0201
- Volvo Truck/Car 1286083 issue 002

OUR PACKING SIZES



A TRUE LUBRICANTS
SPECIALIST
COVERING ALL SEGMENTS

Heavy Hauler



Mixer Truck



Flat Bed Truck



Dump Truck



Road Roller



Bulldozer



Backhoe



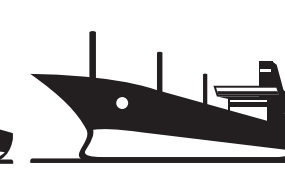
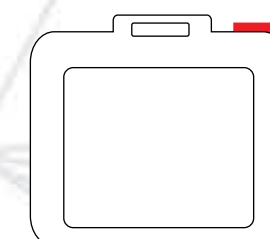
Wheel Loader



Skid Loader



Forklift



Magnetic Nanotechnology



Revolutionizes engine care, reducing friction and bolstering protection. These tiny particles, combined with oil, form a powerful shield against wear, optimizing engine performance and longevity.

WE COVER THE NEEDS OF EACH TYPE OF VEHICLE
In today's rapidly changing automotive market, with new engines and new technologies, having the right product for each vehicle is more important than ever. Our extensive product range is specifically developed to help you make the right choice



OUR PACKING SIZES



APEX TURBO 5W-30 CK-4/SN

APEX TURBO 5W-30 CK-4/SN series are advanced performance low-SAPS fully synthetic diesel engine oils formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after-treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off-highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention, outstanding high-temperature performance and engine cleanliness.

APEX TURBO 5W-30 CK-4/SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.865	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	225
Total Base Number	ASTM D 2896	mg KOH/g	9.6	9.6
Sulfated Ash	ASTM D 874	% wt	0.9	0.9
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7-16
- MTU Oil Category 2.1
- MACK EOS-4.5/FORD WSS -M2C171-F1
- Detroit Diesel Power Guard 93K222
- CUMMINS CES 20086
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4.5
- MAN 3275/3575
- Renault VI RLD-4
- Duetz DQC III-10 LA/JASO DH-2

APEX TURBO 5W-30 CJ-4/SN

APEX TURBO 5W-30 CJ-4/SN series uses fully synthetic technology base oils and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It provides reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

APEX TURBO 5W-30 CJ-4/SN	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	58.65	88.6
Viscosity Index	ASTM D 2270	-	169	168
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	228
Total Base Number	ASTM D 2896	mg KOH/g	10.0	10.0
Sulfated Ash	ASTM D 874	% wt	1.0	1.0
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4650 @ -30 °C

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- CAT ECF-3
- ACEA E9/E7
- MB 228.31
- MTU OIL Category 2.1
- VOLVO VDS-4
- MAN M3575
- Duetz DQC-III-10 LA
- Renault VI RLD-3
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218
- CUMMINS CES 20081/77/77

APEX TURBO 5W-40 CI-4/SL

APEX TURBO 5W-40 CI-4/SL series uses fully synthetic technology base oil and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavy duty truck and bus fleets equipped with latest emission designs, including those with EGR systems, as well as may be satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most severe conditions.

APEX TURBO 5W-40 CI-4/SL	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	58.65	88.6
Viscosity Index	ASTM D 2270	-	169	168
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	228
Total Base Number	ASTM D 2896	mg KOH/g	11.0	11.0
Sulfated Ash	ASTM D 874	% wt	1.1	1.1
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4650 @ -30 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/E5/E3/A3/B4
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- VOLVO VDS-3
- Global DHD-1
- CUMMINS CES 20076/7/20078
- MACK EO-M plus
- Renault VI RLD-2
- MB 228.5
- MAN M 3277

APEX TURBO 10W-40 CI-4/SL

APEX TURBO 10W-40 CI-4/SL series uses selected synthetic technology base oils and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavy-duty truck and bus fleets equipped with latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines.

APEX TURBO 10W-40 CI-4/SL	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.874
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	15.5
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	106
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	220
Total Base Number	ASTM D 2896	mg KOH/g	12.4	12.4
Sulfated Ash	ASTM D 874	% wt	1.3	1.3
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- Global DHD-1
- ACEA E7/E5/E3/A3/B4
- CUMMINS CES 20076/7/20078
- CAT ECF-1a, ECF-2
- MACK EO-M plus
- MTU OIL Category 2
- Renault VI RLD-2
- VOLVO VDS-3



OUR PACKING SIZES

APEX TURBO 10W-40 CK-4/SN

APEX TURBO 10W-40 CK-4/SN SERIES are advanced performance low-SAPS fully synthetic diesel engine oils formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention, outstanding high temperature performance and engine cleanliness.

APEX TURBO CK-4/SN	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.865	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	225
Total Base Number	ASTM D 2896	mg KOH/g	9.6	9.6
Sulfated Ash	ASTM D 874	% wt	0.9	0.9
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- CAT ECF-3
- ACEA E9/E7-16
- MB 228.31
- MTU OIL Category 2.1
- VOLVO VDS-4.5
- MACK EOS-4.5/FORD WSS -M2C171-F1
- MAN 3275/3575
- Detroit Diesel Power Guard 93K222
- Renault VI RLD-4
- CUMMINS CES 20086
- Duetz DQC III-10 LA/JASO DH-2

APEX TURBO 10W-40 CJ-4/SN

APEX TURBO 10W-40 CJ-4/SN series are extra high performance fully synthetic diesel engine oils formulated with highly refined synthetic base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

APEX TURBO 10W40 CJ-4/SN	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	236
Total Base Number	ASTM D 2896	mg KOH/g	10.4	10.4
Sulfated Ash	ASTM D 874	% wt	1.0	1.0
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL, SJ
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218
- CAT ECF-3
- VOLVO VDS-4
- Deutz DQC-III-10 LA
- CUMMINS CES 20081/76/77
- MB 228.31
- MAN 3575
- Renault VI RLD-3

APEX TURBO 10W-40 CH-4/SL

APEX TURBO 10W-40 CH-4/SL series are extra high performance fully synthetic diesel engine oils formulated with highly refined synthetic base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

APEX TURBO 10W40 CH-4/SL	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.864
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	236
Total Base Number	ASTM D 2896	mg KOH/g	10.4	10
Sulfated Ash	ASTM D 874	% wt	1.0	1.0
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- MTU OIL Category-2
- MACK EO-M Plus
- CUMMINS CES 20076/7
- Renault RD-2
- CAT ECF-1a
- MAN M3275
- VOLVO VDS-2
- Deutz DQC-III-05
- MB 228.3

APEX TURBO 15W-40 CK-4/SN

APEX TURBO 15W-40 CK-4/SN is an advanced performance low-SAPS semi-synthetic diesel engine oil formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention,

APEX TURBO 15W-40 CK-4/SN	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Nu	ASTM D 2896	mg KOH/g	9.6
Sulfated Ash	ASTM D 874	% wt	0.9
CCS Viscosity	ASTM D 5293	cP	6500 @ -20 °C

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- CAT ECF-3
- ACEA E9/E7-16
- MTU OIL Category 2.1
- MACK EOS-4.5/FORD WSS -M2C171-F1
- Duetz DQC III-10 LA/JASO DH-2
- Renault VI RLD-4
- CUMMINS CES 20086
- Detroit Diesel Power Guard 93K222
- MB 228.31
- VOLVO VDS-4.5
- MAN 3275/3575



OUR PACKING SIZES

APEX TURBO 15W-40 CJ-4/SN



APEX TURBO 15W-40 CJ-4/SN is an extra high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7
- MACK EO-O Premium Plus
- CUMMINS CES 20081/76/77
- MTU OIL Category 2.1
- MB 228.31
- Renault VI RLD-3
- MAN M 3575
- Detroit Diesel Power Guard 93K218
- CAT ECF-3
- VOLVO VDS-4

APEX TURBO 15W-40 CI-4/SL



APEX TURBO 15W-40 CI-4/SL is high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most strenuous conditions.

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- MTU OIL Category 2
- VOLVO VDS-3
- Renault VI RLD-2
- CUMMINS CES 20076/7/20078
- Global DHD-1
- Detroit Diesel 93K215
- CAT ECF-1a, ECF-2
- MAN M3275
- MACK EO-N
- Deutz DQC -III-05
- MB 228.3/MB 229.1

APEX TURBO 15W-40 CF-4



APEX TURBO CF-4 series are formulated with high quality base stocks and balanced additive system to provide high level of engine protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most car manufacturers and is suitable for standard services.

APEX TURBO 15W-40 CF-4	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	14.60
Viscosity @ 40 °C	ASTM D 445	cSt	104
Viscosity Index	ASTM D 2270	-	145
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	7.1
CCS Viscosity	ASTM D 5293	cP	3310 @ -20 °C

- API CF-4, CF, SJ
- ACEA E2
- MTU OIL Category-1
- MB 228.0/1
- MAN 270/271
- VOLVO VDS
- Deutz DQC -II-05

APEX TURBO 15W-40 CH-4/SL

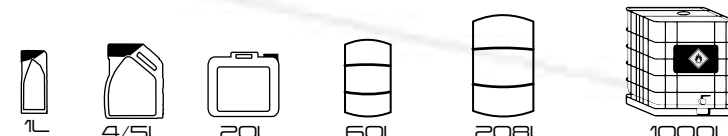


APEX TURBO 15-40 CH-4/SL series are diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4 specification.

APEX TURBO 15W-40 CH-4/SL	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	10.0
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- CAT ECF-1a
- MTU OIL Category-2
- MAN M3275
- MACK EO-M Plus
- VOLVO VDS-2
- CUMMINS CES 20076/7
- Deutz DQC -II-05
- Renault RD-2
- MB 228.3

OUR PACKING SIZES



APEX TURBO 20W-40 CF-4

APEX TURBO 20W-40 CF-4 series are diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4 specification.

APEX TURBO 20W-40 CF-4	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	21.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	182
Viscosity Index	ASTM D 2270	-	137	137
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6020 @ -15 °C

Suitable for diesel engines for both turbocharged and normally aspirated engines operating under severe service conditions in all seasons.

- API CF-4, CF, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- VOLVO VDS
- Deutz DQC -I-05
- MB 228.0/1



APEX TURBO 20W-50 CJ-4/SL

APEX TURBO 20W-50 CJ-4/SL series is extra high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off-highway applications, providing excellent protection even under the most strenuous conditions.

APEX TURBO 20W-50 CJ-4/SL	Test Method	Units	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	175
Viscosity Index	ASTM D 2270	-	137
Pour Point	ASTM D 97	°C	-30
Flash Point (COC)	ASTM D 92	°C	236
Total Base Number	ASTM D 2896	mg KOH/g	10.4
Sulfated Ash	ASTM D 874	% wt	1.0
CCS Viscosity	ASTM D 5293	cP	6060 @ -15 °C

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SM, SL
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4
- Detroit Diesel Power Guard 93K218
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- CUMMINS CES 20081



APEX TURBO 20W-50 CI-4/SL

APEX TURBO 20W-50 CI-4/SL series is high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines.

APEX TURBO 20W-50 CI-4/SL	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	21.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	182
Viscosity Index	ASTM D 2270	-	137	137
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	11.5	11.5
Sulfated Ash	ASTM D 874	% wt	1.2	1.2
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- MTU OIL Category 2
- VOLVO VDS-3
- Detroit Diesel 93K215
- Deutz DQC -III-05
- MB 228.3/MB 229.1
- CAT ECF-1a, ECF-2
- MAN M3275
- Renault VI RLD-2
- CUMMINS CES 20076/7/20078
- Global DHD-1
- MACK EO-N



APEX TURBO 20W-50 CH-4/SL

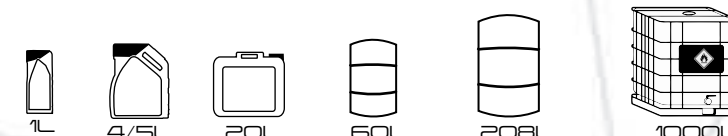
APEX TURBO 20W-50 CH-4 series diesel engine oil is formulated with high quality base stocks and specially selected additives to ensure optimum performance and protection for diesel engines requiring an API CH-4 specification. Suitable for modern and old diesel engines fitted on trucks, buses, construction or agricultural machinery with or without turbo charger, intercooler or sophisticated injection systems.

APEX TURBO 20W-50 CH-4	Test Method	Units	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	175
Viscosity Index	ASTM D 2270	-	137
Pour Point	ASTM D 97	°C	-30
Flash Point (COC)	ASTM D 92	°C	236
Total Base Number	ASTM D 2896	mg KOH/g	10.0
CCS Viscosity	ASTM D 5293	cP	6060 @ -15 °C

- API CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- CAT ECF-1a
- MTU OIL Category-2
- MACK EO-M Plus
- CUMMINS CES 20076/7
- Renault RD-2
- MAN M3275
- VOLVO VDS-2
- Deutz DQC -II-05
- MB 228.3



OUR PACKING SIZES





APEX TURBO 50 CF-4

APEX TURBO 50 CF-4 series are monograde diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4/CF-2 specification.

APEX TURBO 40 CF-4	Test Method	Units	10W	20W-20	30	40	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.888	0.892	0.900	0.904	0.906
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	8.9	11.6	15.4	20.2	24.25
Viscosity @ 40 °C	ASTM D 445	cSt	32	60	102	158	234	312
Viscosity Index	ASTM D 2270	-	114	104	100	99	99	98
Pour Point	ASTM D 97	°C	-33	-24	-18	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	214	226	230	236	242	248
Sulfated Ash	ASTM D 874	Wt%	0.85	0.85	0.85	0.85	0.85	0.85
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0	8.0	8.0	8.0

- API CF-4, CF, CF-2, CD-2, CD, SF, SG, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- MB 228.0/1
- Volvo VDS
- Caterpillar TO-2
- Deutz DQC -I-05
- Allison C3 (SAE: 30)
- Detroit Diesel 75E-270

Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.



APEX TURBO 7000 40 CD/SF

APEX TURBO 40 CD, series are monograde diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4/CF-2 specification.

APEX TURBO 40 CD	Test Method	Units	10W	20W-20	30	40	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.888	0.892	0.900	0.904	0.906
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	8.9	11.6	15.4	20.2	24.25
Viscosity @ 40 °C	ASTM D 445	cSt	32	60	102	158	234	312
Viscosity Index	ASTM D 2270	-	114	104	100	99	99	98
Pour Point	ASTM D 97	°C	-33	-24	-18	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	214	226	230	236	242	248
Sulfated Ash	ASTM D 874	Wt%	0.85	0.85	0.85	0.85	0.85	0.85
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0	8.0	8.0	8.0

- API CD, SF, SG, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- MB 228.0/1
- Volvo VDS
- Caterpillar TO-2
- Deutz DQC -I-05
- Allison C3 (SAE: 30)
- Detroit Diesel 75E-270

Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.



APEX TURBO 6000 30 SF/CD

APEX TURBO 30 SF/CD series are monograde diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4/CF-2 specification.

APEX TURBO 30SF/CD	Test Method	Units	10W	20W-20	30	40	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.888	0.892	0.900	0.904	0.906
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	8.9	11.6	15.4	20.2	24.25
Viscosity @ 40 °C	ASTM D 445	cSt	32	60	102	158	234	312
Viscosity Index	ASTM D 2270	-	114	104	100	99	99	98
Pour Point	ASTM D 97	°C	-33	-24	-18	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	214	226	230	236	242	248
Sulfated Ash	ASTM D 874	Wt%	0.85	0.85	0.85	0.85	0.85	0.85
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0	8.0	8.0	8.0

- API SF, CD, SG, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- MB 228.0/1
- Volvo VDS
- Caterpillar TO-2
- Deutz DQC -I-05
- Allison C3 (SAE: 30)
- Detroit Diesel 75E-270

Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.

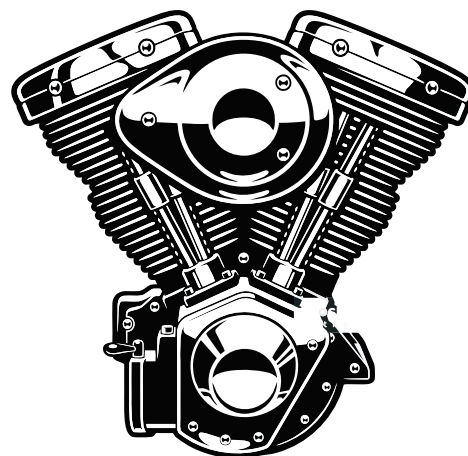


APEX TURBO 9000 50 SG/CD

APEX TURBO 9000 SF/CD series are monograde crankcase lubricants formulated with high quality base stocks and balanced additive system to provide high level of engine protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most mixed fleet applications and is suitable for general service and commercial engines.

APEX TURBO 9000	Test Method	Units	30	40	50
Density @ 15 °C	ASTM D 4052	gm/cc	0.892	0.900	0.904
Viscosity @ 100 °C	ASTM D 445	cSt	11.6	15.4	20.2
Viscosity @ 40 °C	ASTM D 445	cSt	102	158	234
Viscosity Index	ASTM D 2270	-	100	99	99
Pour Point	ASTM D 97	°C	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	230	236	242
Total Base Number	ASTM D 2896	mg KOH/g	5.8	5.8	5.8
Phosphorous	ASTM D 4951	% wt	0.078	0.078	0.078

API SG/CD



superbike
4+ oil

MOTORCYCLE

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APEX SUPERIOR 4T 10W-40 SN

APEX SUPERIOR 4T SN/JASO MA2 series is designed with high quality synthetic base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most motorcycle manufacturers and is suitable for use in 4 stroke motorcycle engines providing unsurpassed performance under severe operating conditions in All Seasons, driving environments, from mild to severe, and on the racetrack, naturally aspirated or turbo charged engines, adapted to vehicles equipped with catalytic converters running on unleaded fuels.

APEX SUPERIOR SN 4T	Test Method	Units	10W-30	10W-40	10W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.855	0.870	0.860
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30	18.5
Viscosity @ 40 °C	ASTM D 445	cSt	64.5	95	130.0
Viscosity Index	ASTM D 2270	-	149	155	160
Pour Point	ASTM D 97	°C	-36	-36	-36
Flash Point (COC)	ASTM D 92	°C	225	230	230
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0
osporous	ASTM D 4951	% wt	0.108	0.108	0.108
Sulfated Ash	ASTM D 872	% wt	0.8	0.8	0.8
CCS Viscosity	ASTM D 5293	cP	5900 @ -25 °C	5650 @ -25 °C	6250 @ -25 °C

- API SN, SM, SL, SJ
- JASO MA2
- JASO 4T Clutch performance

APEX SUPERIOR 4T 10W-40 SL

APEX SUPERIOR 4T SL/JASO MA series is designed with high quality synthetic base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most motorcycle manufacturers and is suitable for use in 4 stroke motorcycle engines providing unsurpassed performance under severe operating conditions in All Seasons, driving environments, from mild to severe, and on the racetrack, naturally aspirated or turbo charged engines, adapted to vehicles equipped with catalytic converters running on unleaded fuels.

APEX SUPERIOR SN 4T	Test Method	Units	10W-30	10W-40	10W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.855	0.870	0.860
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30	18.5
Viscosity @ 40 °C	ASTM D 445	cSt	64.5	95	130.0
Viscosity Index	ASTM D 2270	-	149	155	160
Pour Point	ASTM D 97	°C	-36	-36	-36
Flash Point (COC)	ASTM D 92	°C	225	230	230
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0
osporous	ASTM D 4951	% wt	0.108	0.108	0.108
Sulfated Ash	ASTM D 872	% wt	0.8	0.8	0.8
CCS Viscosity	ASTM D 5293	cP	5900 @ -25 °C	5650 @ -25 °C	6250 @ -25 °C

- API SL, SJ
- JASO MA
- JASO 4T Clutch performance

APEX SUPERIOR 4T 20W-50 SN

APEX SUPERIOR 4T SN/JASO MA2 series is designed with high quality base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most motorcycle manufacturers and is suitable for use in 4 stroke gasoline engines, naturally aspirated or turbo charged engines, operating in all round seasons and adapted to vehicles equipped with catalytic converters running on unleaded fuels.

APEX SUPERIOR 20-50	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	6.2	6.2
Phosphorous	ASTM D 4951	% wt	0.08	0.08
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API SN, SM, SL, SJ
- JASO MA2
- JASO 4T Clutch performance

APEX SUPERIOR 4T 20W-50 SL

APEX SUPERIOR 4T SL/JASO MA2 series is designed with high quality base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most motorcycle manufacturers and is suitable for use in 4 stroke gasoline engines, naturally aspirated or turbo charged engines, operating in all round seasons and adapted to vehicles equipped with catalytic converters running on unleaded fuels.

APEX SUPERIOR 20-50	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	20.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	175
Viscosity Index	ASTM D 2270	-	137	136
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	6.2	6.2
Phosphorous	ASTM D 4951	% wt	0.08	0.08
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API SL, SJ
- JASO MA
- JASO 4T Clutch performance

APEX GUARD MP-2/MP-3

APEX Extreme Guard Grease MP series are high performance greases, formulated with lithium based thickeners and an ISO VG 150 mineral base stock to provide added protection against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 120°C. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

APEX Extreme Guard MP-3	Test Method	Units	MP 2	MP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium	Lithium
Color	Visual	--	Cream	Cream
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 °C, 60 strokes	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	150	150
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.6	0.6

- DIN 51502: K2K-25/ K3K-20
- ISO 6743-9: L-XBCEA-2/3

APEX GUARD EXTREME EP-2/EP-3

APEX Extreme Guard Grease EP Series are high performance greases, formulated with lithium based thickeners and extreme pressure additive system to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 000 to 3, with base oil viscosities ISO VG 150, 320 and 460. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. EP 0, 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -25°C to 120°C.

APEX Extreme Guard EP series	Test Method	Units	EP 000	EP 00	EP 0	EP 1	EP 2	EP 3
NLGI Grade	ASTM D 217	--	000	00	0	1	2	3
Thickener Type	--	--	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	445-475	400-430	355-385	310-340	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	460	320	160	160	160	160
Dropping Point	ASTM D 566	°C	-	-	190	190	190	190
4-Ball Wear, Scar test	ASTM D 2266	mm	0.5	0.5	0.4	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	240	240	250	250	250	250

APEX GUARD CA-MP-3/MP-2

APEX GUARD Ca-MP series are high performance greases, formulated with Calcium based thickeners and an ISO VG 150 mineral base stock to provide added protection against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 80°C maximum. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

APEX GUARD CA-MP-3	Test Method	Units	Ca-MP 2	Ca-MP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Calcium	Calcium
Color	Visual	--	Brown	Brown
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 °C, 60 strokes	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	150	150
Dropping Point	ASTM D 566	°C	90 (min)	90 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.65	0.65
4-Ball Weld Load	ASTM D 2596	Kg	210	210

APEX BRAKE FLUID DOT 2,3,4

APEX Fluid DOT 4 are supreme performance hydraulic brake fluid based on polyethylene glycol ether technology to provide a high level of brake and clutch performance in automotive and commercial vehicles. They are designed to meet or exceed the general requirements of most builders of automotive disc, drum and anti-skid brake systems and clutch systems, used in average to high performance vehicles requiring DOT 3 or DOT 4 level performance.

- FMVSS 116 DOT 4
- FMVSS 116 DOT 3
- ISO 4925 Class 3 & 4
- SAE J-1703

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As one of UAE leading independent lubricants companies, we pride ourselves on being a 'pure player' in our industry. we are 100% dedicated to lubricants. We are a specialist, focusing on meeting the diverse needs and requirements of our customers with high-quality, technology-enhanced lubricants . Thanks to the expertise of our dedicated R&D team, our on site laboratory and ISO certification, we guarantee, the highest quality at every step of our production process.



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APEX AXEL IND GEAR 46 Series

APEX Axel IND Gear 46 of lubricants are supreme performance industrial gear oils, formulated with high quality base stocks for fied with sulfur-phosphorus addi ve system. They are designed to work efficiently in all types of enclosed gear drives with circula on or splash lubrica on systems, where outstanding extreme pressure characteris cs (EP/AW proper es), extremely high load carrying capability and excellent demulsifying proper es are desired. Moreover they offer extremely high protec on against micropi ng, wear and corrosion in enclosed gears and all types of oil lubricated bearings. Suitable for use in large & small spur bevel, spiral, helical & herringbone gears.

Apex Axel IND Gear	Test Method	Units	46	68	100	150	220	230	460	680
AGMA 9005	-	-	-	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	-
ISO Viscosity Grade	ISO 3448	-	46	68	100	150	220	320	460	680
Density @ 15 °C	ASTM D 4052	gm/cc	0.878	88.0	0.887	0.894	0.898	0.900	0.904	0.910
Viscosity @ 40 °C	ASTM D 445	cSt	46.8	68.9	100.1	150.2	220.5	320.9	460.8	680.5
Viscosity @ 100 °C	ASTM D 445	cSt	6.78	8.72	11.11	14.56	18.75	23.95	30.45	37.85
Viscosity Index	ASTM D 2270	-	98	98	95	95	95	95	95	92
Pour Point	ASTM D 97	°C	-27	-27	-24	-24	-24	-24	-15	-12
Flash Point (COC)	ASTM D 92	°C	216	218	226	238	248	248	256	282
FZG Scuff Fail Stage	A/8.3/90	-	12+	12+	12+	12+	12+	12+	12+	12+
Timken OK Load	ASTM D 2670	lb/ktf	65	65	65	75	75	75	75	75
Cu Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B	1B	1B	1B
Rust Test-Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

- DIN 51517-3 (CLP)
- ISO 6743-6 & ISO 12925-1 (CKC/CKD)
- US Steel 224
- David Brown
- Flender BA 7300, table A
- David Brown S1.53.101

APEX AXEL IND GEAR 68 Series

APEX Axel IND Gear 68 of lubricants are supreme performance industrial gear oils, formulated with high quality base stocks for fied with sulfur-phosphorus addi ve system. They are designed to work efficiently in all types of enclosed gear drives with circula on or splash lubrica on systems, where outstanding extreme pressure characteris cs (EP/AW proper es), extremely high load carrying capability and excellent demulsifying proper es are desired. Moreover they offer extremely high protec on against micropi ng, wear and corrosion in enclosed gears and all types of oil lubricated bearings. Suitable for use in large & small spur bevel, spiral, helical & herringbone gears.

Apex Axel IND Gear	Test Method	Units	46	68	100	150	220	230	460	680
AGMA 9005	-	-	-	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	-
ISO Viscosity Grade	ISO 3448	-	46	68	100	150	220	320	460	680
Density @ 15 °C	ASTM D 4052	gm/cc	0.878	88.0	0.887	0.894	0.898	0.900	0.904	0.910
Viscosity @ 40 °C	ASTM D 445	cSt	46.8	68.9	100.1	150.2	220.5	320.9	460.8	680.5
Viscosity @ 100 °C	ASTM D 445	cSt	6.78	8.72	11.11	14.56	18.75	23.95	30.45	37.85
Viscosity Index	ASTM D 2270	-	98	98	95	95	95	95	95	92
Pour Point	ASTM D 97	°C	-27	-27	-24	-24	-24	-24	-15	-12
Flash Point (COC)	ASTM D 92	°C	216	218	226	238	248	248	256	282
FZG Scuff Fail Stage	A/8.3/90	-	12+	12+	12+	12+	12+	12+	12+	12+
Timken OK Load	ASTM D 2670	lb/ktf	65	65	65	75	75	75	75	75
Cu Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B	1B	1B	1B
Rust Test-Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

- DIN 51517-3 (CLP)
- ISO 6743-6 & ISO 12925-1 (CKC/CKD)
- US Steel 224
- David Brown
- Flender BA 7300, table A
- David Brown S1.53.101

APEX TITAN HYD HVI ZF Series

APEX TITAN HYD HVI ZF range of lubricants are high viscosity index Zinc Free Ashless an -wear hydraulic i-,uids formulated with high quality HVI base stocks and advanced very low ash an -wear addi ve technology. They are designed to work ei-fciently in hydraulic & i-,uid power transmission systems, subjected to wide temperature ranges opera ng under severe condi ons. These oils are available in ISO viscosity grades from 15 to 150. Moreover, they are also designed to work in systems where high hydroly c stability is required, even in presence of high moisture content in hydraulic systems.

Apex Titan HYD HVI ZF	Test Method	Units	22	32	46	68
ISO Viscosity Grade	ISO 3448	-	22	32	46	68
Density @ 15 °C	ASTM D 4052	gm/cc	0.86	0.870	0.870	0.875
Viscosity @ 40 °C	ASTM D 445	cSt	22.9	32.4	46.8	68.9
Viscosity @ 100 °C	ASTM D 445	cSt	5.3	7.10	9.76	13.4
Viscosity Index	ASTM D 2270	-	175	190	200	200
Pour Point	ASTM D 97	°C	-36	-36	-36	-36
Flash Point (COC)	ASTM D 92	°C	204	215	215	220
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	10	10
TAN, mg KOH/g	ASTM D 2896	-	0.4	0.4	0.4	0.4

- DIN 51524 Part 3 HVLP type
- Denison HF-0, HF-2 (T6H20C)
- Cincinna Machine P68, P69, P70
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

APEX TITANIUM HYD AW 68 Series

APEX TITANIUM HYD AW 68 range of lubricants are supreme performance an -wear hydraulic oils formulated with high quality base stocks and balanced addi ve technology. They are designed to work efficiently in hydraulic systems opera ng under severe condi ons, where high levels of an -wear and oil film strength protec on are desired. Moreover they are also designed to work in systems where non an -wear hydraulic oils are generally recommended.

Apex Titan	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.99	5.12	6.46	8.41	11.27	13.21	16.85
Viscosity Index	ASTM D 2270	-	161	160	156	156	156	128	120
Pour Point	ASTM D 97	°C	-39	-39	-36	-36	-36	-33	-33
Flash Point (COC)	ASTM D 92	°C	174	204	224	230	234	246	252
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	15	20	20	25	30
TAN, mg KOH/g	ASTM D 2896	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6

- DIN 51524 Part 2 HLP type
- Denison HF-0 (T6H20C)
- ISO 11158 (HM fluids)
- VICKERS M-2950S, -I-286



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APEX HiPower Hyd AW Series

Apex HiPower Hyd AW	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.5	4.4	5.38	6.78	8.72	11.15	14.56
Viscosity Index	ASTM D 2270	-	100	100	98	98	98	95	95
Pour Point	ASTM D 97	°C	-39	-30	-27	-27	-21	-21	-18
Flash Point (COC)	ASTM D 92	°C	202	204	224	230	234	246	272
Copper Strip Corrosion	ASTM D 130	-	1A	1B	1B	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0

- DIN 51524 Part 2 HLP type
- Denison HF-0 (T6H20C)
- ISO 11158 (HM fluids)
- VICKERS M-2950S, -I-286

APEX HiPower Hyd AW range of lubricants are supreme performance anti wear hydraulic oils formulated with high quality base stocks and balanced additive technology. They are designed to work efficiently in hydraulic systems operating und-er severe conditions, where high levels of ant- wear and oil film strength protection are desired. Moreover they are also designed to work in system where non anti-wear hydraulic oils are generally r e c o m m e n d e d .

APEX Trans HD Series

Apex Trans HD	Test Method	Units	10W	30	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.892	0.904	0.910
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	11.6	20.5	25.6
Viscosity @ 40 °C	ASTM D 445	cSt	35	108	254	356
Viscosity Index	ASTM D 2270	-	96	95	95	95
Pour Point	ASTM D 97	°C	-33	-18	-12	-12
Flash Point (COC)	ASTM D 92	°C	214	230	242	242

- API GL-4/ Allison C-4
- Caterpillar TO-4/TO-4M/TO-2
- Komatsu KES 07.868.1
- Suitable Hydraulics and Wet Brakes
- Sperry Vickers/Eaton: M2950S, I-280-S

APEX Trans HD series is a range of extra high performance transmission and drive train oils, formulated with high exce- quality base stocks and advanced additive system to meet or ed the requirements of Caterpillar TO-4 specification. Suitable to provide heavy duty performance benefits in power shift in transmissions, gearboxes, final drives and high pressure hydr- aulic applications. It helps in maximizing the productivity in construction, quarrying and mining equipment operating under severe conditions.

APEX Trans STOU/UTTO Series

Apex Transfluid STOU/UTTO	Test Method	Units	10W/30	15W-40	20W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.870	0.875	0.888
Viscosity @ 40 °C	ASTM D 445	cSt	59	103	107
Viscosity @ 100 °C	ASTM D 445	cSt	9.6	14.30	14.30
Viscosity Index	ASTM D 2270	-	146	142	136
Pour Point	ASTM D 97	°C	-39	-36	-33
Flash Point (COC)	ASTM D 92	°C	212	225	230
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	6000 @ -20 °C	6020 @ -15 °C
Zinc	ASTM D 4951	%wt	0.12 (Min) – 0.19 (max)	0.12 (Min) – 0.19 (max)	0.12 (Min) – 0.19 (max)

- UTTO Specifications:
- API GL-4/ Allison C-4/ Caterpillar TO-2
- Massey Ferguson: M1135,43,45
- John Deere J20C/J20D
- Ford M2C134D/ M2C86B,C
- JI Case/Case Int: MS 1204,6,7,9
- CNH MAT 3525,3526

APEX Transfluid STOU/UTTO series are extra high performance multi- purpose tractor lubricants formulated from highly refined base stocks and advanced technology additive system,to meet or exceed transmi- sion and hydraulic fluid requirements. These oils are engineered to deliver the varied lubricant performance properties required in severe duty applications of agricultural and construction equipment drive trains. Moreover it is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter.

- STOU Specifications:
- ZF TE-ML 06A, 06B, 06C, 07B/ John Deere J2
- Ford M2C159B,C/New Holland 82009201,2,3
- Massey Ferguson: M1139,44,45
- Engine Oil Specifications:
- API CG-4,CF-4,CF,CE/SF,CD/SF,CD/SE
- MB 228.1/227.1 & ACEA E3
- Hydraulic Oil Specifications
- Sperry Vickers/Eaton: M2950S/I-280-S

APEX Xtreme Protect Grease EP Series

Apex Xtreme Protect Grease EP	Test Method	Units	EP 2	EP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium Complex	Lithium Complex
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	220	220
Dropping Point	ASTM D 566	°C	230 (min)	230 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	315	315

- DIN 51502: KP2N-20
- ISO 6743-9: L-XBEB-2/3

APEX EP series are high performance greases, formulated with lithium complex based thickeners, high viscosity index base oils and extreme pressure additive system to provide excellent protection against wear, rusting and water washout. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 220. They are suitable for most types of Automotive and Industrial applications, including heavy-duty Marine applications where high temperatures, heavy loads and extreme unit pressures are present. EP 1, 2, 3 & 2 Molygreases are suitable for operating tempe- ratures range from -20°C to 140°C, while EP 00 & 0 greases are suitable for operating temperatures range from -25°C to 130°C.



OUR PACKING SIZES



APEX Protect Grease EP Series

APEX Protect Moly Grease EP series are high performance greases, formulated with lithium based thickeners fortified with Molybdenum Disulfide (MoS₂) solid lubrication, high quality base oils and extreme pressure additive system to provide excellent protection against wear, rusting and water washout. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 460 & 320. They are suitable for most types of Automotive and Industrial applications, including heavy-duty Marine applications where high temperatures, heavy shock loads and extreme unit pressures are present. Moly Grease EP 1, 2, & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while Moly Grease EP 00 & 0 greases are suitable for operating temperatures range from -25°C to 120°C.

APEX Protect Moly Grease	Test Method	Units	EP 2	EP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Li-Moly	Li-Moly
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	320	320
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	315	315

- DIN 51502: KPF2K-25/ KPF3K-20
- ISO 6743-9: L-XCEHB-2/3



APEX Protect Grease EP Series

APEX Protect Grease EP series are high performance greases, formulated with lithium based thickeners and extreme pressure additive system to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 000 to 3 with base oil viscosity of ISO VG 150, 320 & 460. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. EP 0, 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -25°C to 120°C.

APEX Protect Grease EP	Test Method	Units	EP 000	EP 00	EP 0	EP 1	EP 2	EP 3
NLGI Grade	ASTM D 217	--	000	00	0	1	2	3
ISO Grade	6743-9	--	L-XCBEB 000	L-XCBEB 00	L-XBCEB 0	L-XBCEB 1	L-XBCEB 2	L-XBCEB 3
DIN Grade	51502	--	GP000G -30	GP00G -30	MP0K -25	KP1K -30	KP2K -25	KP3K -20
Thickener Type	--	--	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Penetration, Worked @ 25 °C	ASTM D 217	0.1 mm	445-475	400-430	355-385	310-340	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	460	320	160	160	160	160
Dropping Point	ASTM D 566	°C	-	-	190 (min)	190 (min)	190 (min)	190 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.5	0.5	0.4	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	240	240	250	250	250	250



APEX Protect Grease MP Series

APEX Protect Grease MP series are high performance greases, formulated with lithium based thickeners and an ISO VG 150 mineral base stock to provide added protection against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 120°C. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

APEX Protect Grease	Test Method	Units	MP 2	MP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium	Lithium
Color	Visual	--	Cream	Cream
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 °C, 60 strokes	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	150	150
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.6	0.6

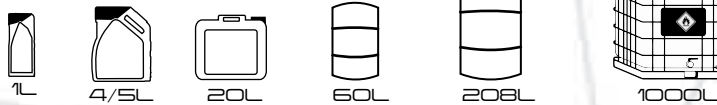
- DIN 51502: K2K-25/ K3K-20
- ISO 6743-9: L-XBCEA-2/3

NOTE

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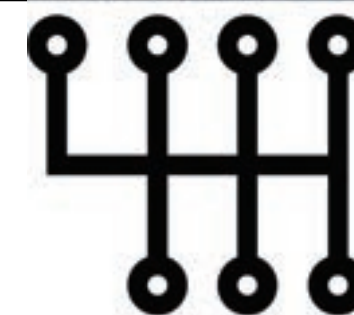
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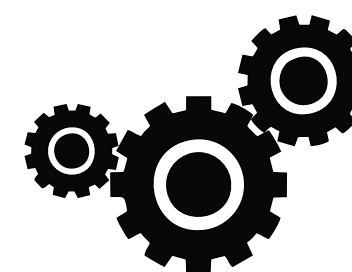
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