

# APEX TURBO 20W-40 CJ-4 SERIES

Extra High Performance Multigrade Diesel Engine Oil



## Product Data Sheet

### Product Description

APEX TURBO 20W-40 CJ-4 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.

### Features & Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against corrosive & abrasive wear.
- Improved shear stability maintains viscosity in-grade under severe, high temperature service conditions.
- Excellent low temperature pumpability ensures improved fuel economy.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Excellent TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain interval in both new & old engines using either low (500 ppm) or ultra-low (15 ppm) sulfur diesel fuel.

### Specifications

**APEX TURBO 20W-40 CJ-4 meets or exceeds following International and Builder specifications:**

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

### Typical Characteristics

APEX SPARK CJ-4	Test Method	Units	20W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.8880
Viscosity @ 100 °C	ASTM D 445	cSt	15.1
Viscosity @ 40 °C	ASTM D 445	cSt	121.1
Viscosity Index	ASTM D 2270	-	129
Pour Point	ASTM D 97	°C	-24
Flash Point (COC)	ASTM D 92	°C	235
Total Base Number	ASTM D 2896	mg KOH/g	10.3
Sulfated Ash	ASTM D 874	% wt	1.0
CCS Viscosity	ASTM D 5293	cP	6280 @ -15 °C

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*

For further information, please contact: [sales@apexdrive.com](mailto:sales@apexdrive.com)