

# Samic Optima Platinum HD 15W-40 CJ-4/SN

Extra High Performance Multigrade Diesel Engine Oil



## Product Data Sheet

### Product Description & Main Application

Samic Optima Platinum 15W-40 CJ-4/SN is an extra high performance diesel engine oil formulated with severely 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.

### Performance & Customer 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 & Recommendations

**Samic Optima Platinum 15W-40 meets or exceeds following International and Builder specifications:**

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7/E5/E3
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218/93K215
- CUMMINS CES 20081/76/77/76
- CAT ECF-3/ECF-1a/ECF-1/C1P/C1
- MB 228.31/228.3/228.1
- VOLVO VDS-4/VDS-3/VDS-2
- Renault VI RLD-3
- MAN M 3575/M 3275
- Global DHD-1/JASO DH-1

### Typical Physical Characteristics

Samic Optima Platinum	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	15.45
Viscosity @ 40 °C	ASTM D 445	cSt	114.9
Viscosity Index	ASTM D 2270	-	142
Pour Point	ASTM D 97	°C	-36
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	10.1
Sulfated Ash	ASTM D 874	% wt	0.95
CCS Viscosity	ASTM D 5293	cP	4500 @ -20 °C

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