

Samic Optima Gold CI-4/SL series

High Performance – Semi Synthetic Multigrade Diesel Engine Oil



Product Data Sheet

Product Description & Main Application

Samic Optima Gold CI-4/SL series is a range of high performance diesel engine oils formulated with highly refined semi-synthetic 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.

Performance & Customer Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against wear.
- Improved fuel economy.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Extended TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain intervals.

Specifications & Recommendations

Samic Optima Gold CI-4/SL series meets or exceeds following International and Builder specifications:

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

Samic Optima Gold 15W-40 CI-4/SL has the following builder approvals:

- VOLVO VDS-3
- MACK EO-N
- Renault VI RLD-2

Typical Physical Characteristics

Samic Optima Gold	Test Method	Units	15W-40	15W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.884	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4	18.5
Viscosity @ 40 °C	ASTM D 445	cSt	120	155
Viscosity Index	ASTM D 2270	-	134	134
Pour Point	ASTM D 97	°C	-33	-33
Flash Point (COC)	ASTM D 92	°C	230	230
Total Base Number	ASTM D 2896	mg KOH/g	11.4	11.4
Sulfated Ash	ASTM D 874	% wt	1.2	1.2
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C	6000 @ -20 °C

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

For further information, please contact: sales@samiclubricants.com