



# TROYLUBE

Motor Oils and Lubricants

## TROYLUBE ARMOR EXTRA

15W/40 CI-4/SL

**TROYLUBE ARMOR EXTRA 15W/40** is super high performance (SHPD) engine oil obtained by blending high quality base oils with the latest technology performance additive packages. It is recommended to be used in vehicles operating under heavy load such as trucks with naturally aspirated and turbocharged diesel engines, buses, tractors, off-road vehicles, agricultural vehicles, construction machines, generators and all commercial vehicles.

### Properties

- Thanks to the smart molecules it contains, it provides superior protection by forming a protective film layer on moving metal surfaces in the engine.
- Provides easier first start thanks to its superior fluidity at low temperatures.
- Provides fuel economy and long service life with its excellent viscosity control feature.
- Thanks to its high TBN value, it provides neutralization of harmful acids that may occur and protects the engine.
- Prevents deposit formation and keeps the engine clean with its effective detergent and dispersant additives.
- Extends oil change intervals even in high sulfur fuel use.
- It has high resistance against tearing due to its high viscosity index and provides ease of operation in all seasons.

### Approvals and Specifications

- API CI-4/CH-4/CG-4/CF-4/CF
- ACEA E5/E7-16 (2016)
- MB-Approval 228.3
- Caterpillar ECF-2
- CATERPILAR ECF-1a
- Volvo VDS-3
- MTU Oil Category 2
- Deutz DQC-III-10
- DETROIT DIESEL DDC 93K215
- API SL/SJ
- ACEA A3/B4-10
- MAN M 3275-1
- MACK EO-N
- Mack EO-M PLUS
- CUMMINS CES 20076 / 20077/20078
- JASO DH-1
- Global DHD-1
- RENAULT TRUCKS RLD-2



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## Technical Specifications

Test	Method	Typical Properties
Density (15 °C), g/cm <sup>3</sup>	ASTM D1298	0,875 – 0,888
Kinematic Viscosity (100°C), [cSt]	ASTM D445	12,5 - 16,3
Viscosity Index	ASTM D2270	Min. 130
Flash Point, °C	ASTM D92	Min. 220
Pour Point, °C	ASTM D97	Max. -30
Total Base Number, mg KOH/g	ASTM D 2896	Min. 10,0

