RIDA Diesel Engine Oil
API CH-4 Series

- *Anti-wear protection*
- *Oxidation resistance*
- *Excellent cleaning power*
- *Long drain interval protection*
- *Lower Fuel Consumption*

RIDA Diesel Engine Oil API CH-4 Series is a premium quality mineral based lubricating oils that is fully engineered for use in all types of diesel engines. . The detergency/dispersancy level is specially balanced to provide both high temperaturedeposit control in a wide range of heavy duty and turbocharged diesel engines and low temperature sludge control in light-duty gasoline engines.

Designed to Perform

Oxidation Resistance – Rida Diesel Engine Oil API CH-4 Series provides a good oxidation stability that reduced engine deposits and sludge build up, the advance anti-oxidant additive present slows down the oil degradation ensuring longer maintenance intervals.

Anti-wear, Anti-corrosion & Anti-rust Protection – Longer Equipment Life, proven anti wear, anti-corrosion and anti-rust additive packages provide greater resistance and extend engine life and provides low maintenance costs. These properties of Rida Diesel Engine API CH-4 Series prevent rust development by creating a thin film on the engine metal surfaces or any adjacent component ofthus preventing the moisture absorption of its metal parts.

Antifoam – Increased Performance
Easy release of entrained air which will protects in over heating of the system and protects the oil surface area in further exposure to oxygen.

High Viscosity Index – Boost Energy Efficiency
high viscosity oil engineered to protect against metal-to-metal contact. It maintains the optimum viscosity and resist shearing on the longer run, and in a wide range of working temperature. Consequently, the reduced viscosity at lower temperatures improves the ability of a vehicle to start and helps to lower fuel consumption.

Advance Detergent Additive System – Improves Engine Cleanliness. These additives help to remove impurities that travel to the oil filter while also cleaning existing deposits and foreign substances in the engine. This increase in engine cleanliness helps to reduce the damage these contaminants may have caused.

Performance Characteristics

Rida Diesel Engine Oil API CH-4 Series has a high performance diesel engine oil that provides proven engine protection of diesel engines operating in on and off-highway with severe service applications. The detergency/dispersancy level is specially balanced to provide both high temperature deposit control in a wide range of heavy duty and turbocharged diesel engines and low temperature sludge control in light-duty gasoline engines. It is recommended in a wide range of heavy-duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries

Rida Diesel Engine API CH-4 Series provides flexibility and performance beyond conventional oils for convenience and trouble free operation. Saves on fleet and maintenance cost. Longer drain periods. Reduce Downtime and prolong engine life.

Rida Lubricant Oil Company **(An ISO Certified Company)**
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Technical Data Sheet (TDS)

RIDA Diesel Engine Oil
API CH-4 Series

Meets the requirements of the following specifications:

- API CH4/CG4/SL/SJ
- CCMC D4/D5 G4/PD2
- ACEA A3-98, B3-98, E3 96 issue 3
- MIL-L-2104 E/46152E
- MAN M3275
- CAT 1-K, CAT 1-N
- MERCEDEC BENZ, MB 228.3
- MTU TYPE 2
- MACK EO-K/2
- CUMMINS CES 20071/2/6
- ZF TE-ML-07
- VOLVO LONG DRAIN VDS 2
- VW 501.01/505.00
- ALLISON C4

Typical Physical Characteristics

Property SAE Grade	Temp	Units	Test Methods	Typical Values SAE 15W-40	 SAE 20W-50
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	12.5 - 16.3	16.5 - 21.9
Viscosity Index			ASTM D2270	> 130	> 130
Density	@ 15 °C	kg/l	ASTM 4052	0.87	0.88
Total Base Number		mg KOH/g	ASTM 2896	> 10.0	> 10.0
Cold Cranking Simulation Viscosity	@ -15 °C	cP	ASTM D5293	-	9500 Max
Cold Cranking Simulation Viscosity	@ -20 °C	cP	ASTM D5293	7000 Max	-
Flash Point (COC)		°C	ASTM D92	> 220	> 230
Pour Point		°C	ASTM D97	-36	-27

These characteristics are typical of current product methods whilst future production will conform to Rida Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Material Safety Data Sheet (MSDS) which can be obtained from www.Ridalubs.com

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your Rida

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