

Technical Data Sheet

Product Name:

RIDA Diesel Engine Oil API CH-4/SJ SAE 20W-50

Key Features

- ✓ **Anti-Wear Protection** – Reduces friction and wear for extended engine life
 - ✓ **Oxidation Resistance** – Prevents sludge formation and oil breakdown
 - ✓ **Excellent Cleaning Power** – Keeps engines clean and running efficiently
 - ✓ **Long Drain Interval Protection** – Extended oil change intervals
 - ✓ **Lower Fuel Consumption** – Optimized viscosity for fuel efficiency
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Designed to Perform

Oxidation Resistance

- Ensures excellent stability and reduces sludge formation
- Advanced anti-oxidant additives slow oil degradation, enabling longer maintenance intervals

Anti-Wear, Anti-Corrosion & Anti-Rust Protection

- Provides superior resistance against wear, corrosion, and rust
- Forms a protective layer on metal surfaces, preventing moisture damage

Antifoam – Enhanced Performance

- Effectively releases entrained air, reducing overheating risks
- Maintains stable oil properties under extreme conditions

High Viscosity Index – Improved Energy Efficiency

- High-viscosity formulation protects against metal-to-metal contact
- Maintains optimal viscosity across various temperatures, reducing fuel consumption

Advanced Detergent Additive System

- Removes and prevents deposits, ensuring a cleaner engine
 - Reduces contamination risks, prolonging engine and oil filter life
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Performance Characteristics

- High-performance diesel engine oil suitable for **on-road and off-road** severe service applications
- Specially formulated for **turbocharged and heavy-duty diesel engines**
- Offers exceptional **high-temperature deposit control** and **low-temperature sludge control**
- Recommended for **trucking, mining, construction, quarrying, and agricultural industries**

Industry Specifications & Approvals

Meets or exceeds the following standards:

- | | | |
|---------------------------------------|--------------------------|--------------------------|
| ✓ API CH-4/CG-4/SJ | ✓ MAN M3275 | ✓ Cummins CES 20071/2/6 |
| ✓ CCMC D4/D5 G4/PD2 | ✓ CAT 1-K, CAT 1-N | ✓ ZF TE-ML-07 |
| ✓ ACEA A3-98, B3-98, E3 96
Issue 3 | ✓ Mercedes-Benz MB 228.3 | ✓ Volvo Long Drain VDS 2 |
| ✓ MIL-L-2104 E/46152E | ✓ MTU TYPE 2 | ✓ VW 501.01/505.00 |
| | ✓ MACK EO-K/2 | ✓ Allison C4 |

Typical Physical Characteristics


Property	Temp	Units	Test Method	SAE 20W-50
Kinematic Viscosity	@ 40°C	cSt	ASTM D445	164
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	18.50
Viscosity Index	-	-	ASTM D2270	126
Density	@ 15°C	kg/l	ASTM 4052	0.88
Total Base Number (TBN)	-	mg KOH/g	ASTM 2896	10.0
Cold Cranking Simulation	-15°C	cP	ASTM D5293	8400
Flash Point (COC)	-	°C	ASTM D92	226
Pour Point	-	°C	ASTM D97	-27

These characteristics represent typical production values. Future product specifications may vary.

Health & Safety

- When used as recommended, this product presents **no significant health or safety hazards**
 - Avoid contact with **skin and eyes**; use protective gloves when handling used oil
 - In case of skin contact, wash immediately with soap and water
 - Refer to the **Material Safety Data Sheet (MSDS)** at www.ridalubs.ae for full safety details
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Environmental Protection


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

For technical advice or applications not covered in this sheet, contact your **Rida Lubricants Representative**.

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