

## Technical Data Sheet (TDS)

### Product Name:

RIDA Petrol Engine Oil SAE 20W-50 API SN (Fully Synthetic)

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### Key Features

- ✓ **Superior Engine Protection** – Reduces wear and extends engine life
  - ✓ **Oxidation Stability** – Prevents sludge formation and thermal breakdown
  - ✓ **Enhanced Detergency** – Keeps engines clean for optimal performance
  - ✓ **High Viscosity Index** – Maintains oil stability across temperature variations
  - ✓ **Low Volatility** – Minimizes oil consumption and emissions
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### Designed to Perform

#### Oxidation & Thermal Stability

- Provides excellent oxidation resistance to prevent oil degradation
- Enhances engine cleanliness by minimizing sludge and varnish buildup

#### Anti-Wear & Anti-Corrosion Protection

- Forms a protective layer to reduce metal-to-metal contact
- Prevents rust and corrosion in engine components

#### Shear Stability – Maintains Viscosity

- Ensures consistent oil film strength under high operating temperatures
- Resists viscosity breakdown for extended drain intervals

#### Detergent-Dispersant Additive System

- Effectively cleans and removes contaminants from engine parts
- Reduces carbon deposits, ensuring long-lasting engine efficiency

#### Optimized Fuel Efficiency

- Minimizes friction for improved fuel economy
  - Reduces oil consumption through enhanced viscosity retention
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### Performance Characteristics

- Specifically formulated for **modern petrol engines** requiring **API SN performance**
  - Recommended for **high-performance, naturally aspirated, turbocharged, and supercharged engines**
  - Suitable for **on-road, off-road, and severe operating conditions**
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## Industry Specifications & Approvals

Meets or exceeds the following standards:

- |              |                                       |                    |
|--------------|---------------------------------------|--------------------|
| ✓ API SN     | ✓ JASO MA2 (Motorcycle Compatibility) | ✓ VW 502.00/505.00 |
| ✓ ACEA A3/B3 | ✓ MB 229.3 (Mercedes-Benz)            | ✓ PSA B71 2296     |
| ✓ ILSAC GF-5 |                                       | ✓ GM 6094M         |

## Typical Physical Characteristics

| Property                | Units         | Test Method | SAE 20W-50 |
|-------------------------|---------------|-------------|------------|
| Kinematic Viscosity     | @ 40°C (cSt)  | ASTM D445   | 170.5      |
| Kinematic Viscosity     | @ 100°C (cSt) | ASTM D445   | 19.2       |
| Viscosity Index         | -             | ASTM D2270  | 128        |
| Density                 | @ 15°C (kg/l) | ASTM 4052   | 0.8889     |
| Total Base Number (TBN) | mg KOH/g      | ASTM D2896  | 7.61       |
| Flash Point (COC)       | °C            | ASTM D92    | 226        |
| Pour Point              | °C            | ASTM D97    | -26        |

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

## Health & Safety

- **Hazard Classification:** Not classified as hazardous
- Avoid prolonged **skin and eye contact**; wash thoroughly with soap and water
- In case of ingestion, **do not induce vomiting**; seek medical attention
- Refer to the **Material Safety Data Sheet (MSDS)** at [www.ridalubs.ae](http://www.ridalubs.ae) for full safety details

## Environmental Protection

♻️ **Dispose of used oil responsibly at an authorized collection point**

✗ **Do not discharge oil into drains, soil, or water**

## Handling & Storage

- **Storage Temperature:** Keep below **40°C**
- **Handling Precautions:** Store in a **cool, dry place**, away from open flames or ignition sources
- Ensure **proper ventilation** when handling large quantities

## Additional Information

For technical support or specific application advice, contact your **Rida Lubricants Representative**.

## Rida Lubricants LLC

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