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TECHNICAL DATA SHEET

VIRGO PETROL ENGINE OIL API SP SERIES

Key Features

- ✓ Advanced Engine Protection: Formulated to provide strong protection against wear, deposits, sludge and oxidation in modern petrol engines.
- ✓ Excellent Low-Temperature Performance: Provides rapid oil circulation and reliable start-up protection across a range of operating temperatures.
- ✓ High-Temperature Stability: Helps maintain viscosity and lubricant film strength under demanding engine operating conditions.
- ✓ Clean Engine Performance: Helps control piston deposits, sludge and varnish while supporting engine cleanliness.
- ✓ Fuel-Efficient Formulation: The SAE 5W-20 and SAE 5W-30 grades are formulated to provide low-viscosity performance suitable for applications requiring improved fuel economy.

Performance Characteristics

RIDA Petrol Engine Oil API SP Series is a range of high-performance engine oils formulated for modern petrol engines. The series is available in SAE 5W-20, SAE 5W-30 and SAE 10W-40 viscosity grades and is designed to provide dependable wear protection, oxidation control, engine cleanliness and sludge protection under a wide range of operating conditions.

The oils are formulated for passenger cars, light-duty vehicles and other petrol-engine applications where the OEM recommends the applicable SAE viscosity grade and API SP performance level.

Designed to Perform

Engine Protection – Maximum Equipment Life

- Provides superior film strength for critical engine components, including valvetrains and bearings.
- Compatible with modern seal materials to prevent leaks and maintain engine integrity.
- Significant reduction in sludge and deposit formation under severe driving conditions.

Thermal Stability – Reliable Performance

- Resists thermal breakdown and oxidation at high operating temperatures.

- Maintains optimal viscosity across a wide temperature range, from freezing cold starts to high-speed highway driving.
- Eliminates the need for seasonal oil changes due to consistent performance in all climates.

Economic Efficiency – Reduced Costs

- Extended drain intervals significantly reduce the frequency of oil changes.
- Optimized friction modifiers help improve fuel efficiency and reduce total operating costs.

Typical Physical Characteristics

Property	Units	Test Method	SAE 5W-20	SAE 5W-30	SAE 10W-40
Kinematic Viscosity @ 40°C	cSt	ASTM D445	48–55	58–66	95–110
Kinematic Viscosity @ 100°C	cSt	ASTM D445	8.5–9.3	10.0–11.0	13.5–14.5
Viscosity Index	-	ASTM D2270	≥150	≥150	≥140
Flash Point (COC)	°C	ASTM D92	≥200	≥200	≥210
Density @ 15°C	kg/L	ASTM D4052	0.840–0.870	0.840–0.870	0.850–0.880
Pour Point	°C	ASTM D97	≤ -39	≤ -39	≤ -30
Total Base Number	mg KOH/g	ASTM D2896	8.0–10.0	8.0–10.0	8.0–10.0

These values represent typical production characteristics. Future specifications may vary based on Rida Lubricants' quality standards.

Health, Safety & Environmental Protection

Health & Safety

- This product is not expected to pose significant health or safety hazards when used as recommended
- Avoid contact with skin and eyes; use impervious gloves when handling used oil
- Wash thoroughly with soap and water after handling
- Refer to the Material Safety Data Sheet (MSDS) available through Rida Lubricants Sales Executive

Environmental Protection

-  Dispose of used oil responsibly at an authorized collection point
- Do not discharge used or new oil into drains, soil, or water

Additional Information

For specific applications or technical advice, please contact your Rida Lubricants Representative.