

Technical Data Sheet

SUPETRO LP 2031

Passenger Car Motor Oil Additive



Description:

SUPETRO LP 2031 is a high-performance gasoline engine oil additive package designed for advanced automotive and 4-stroke motorcycle engines. Formulated with premium components, it provides excellent detergency, dispersancy, and friction-reducing properties to effectively minimize oil degradation and deposit buildup. A blend of SUPETRO LP 2031 at 8 and 7 wt% with Group II and III base oils meets API SN and SM requirements, and, when used with appropriate boosters, can also meet JASO MA2 and MB requirements. This additive package supports environmentally friendly oil formulations and is ideal for high-performance multigrade engine oils operating under severe conditions.

Key Performance Features:

- *Oxidation and Corrosion Resistance:* Delivers enduring protection against oil degradation, oxidation, and corrosion, promoting long-term engine integrity.
- *Extended Durability and Dependability:* Engineered for prolonged durability, this additive package maintains consistent performance under high-stress conditions, supporting overall engine health.
- *Advanced Cleanliness and Deposit Prevention:* Offers exceptional detergency and dispersancy to minimize sludge and deposit accumulation, ensuring optimal engine performance.
- *Enhanced Friction Control and Wear Protection:* Provides excellent friction management and anti-wear properties, promoting smooth engine operation and prolonging component life.

Technical Specification:

Parameter	Test method	Typical value
Appearance	Visual	Brown viscous liquid
Kinematic Viscosity at 100°C, cSt	ASTM D445	Report
Density at 20°C, kg/m ³	ASTM D4052	880-990
TBN, mg KOH/g	ASTM D2896	80-105
Flash Point, °C	ASTM D92	180 Min.
Calcium Content, wt.%	ASTM D4951	2.0-2.5
Nitrogen Content, wt.%	ASTM D5762	1.15-1.4
Zinc Content, wt.%	ASTM D4951	0.9-1.10
Phosphorus Content, wt.%	ASTM D4951	0.85-1.10
Molybdenum Content, wt.%	ASTM D4951	0.08-0.12

The stated values are typical and should not be regarded as delivery specifications.

www.supetro.com

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Storage, Handling, and Transportation:

- *Storage and Handling:* For optimal shelf life, store the product at ambient temperature, ideally below 45°C, with a long-term storage temperature limit of 50°C. During handling, loading, and unloading, temperatures should not exceed 60°C to 65°C. When stored properly—upright on pallets with containers sealed and, if outdoors, covered by waterproof lids—this product has a 24-month shelf life.
- *Safety and Environmental Considerations:* This product is classified as non-dangerous for naval, rail, and road transport. It is non-flammable, non-explosive, and non-corrosive, aligning with standard petroleum products and requiring no specialized protective measures.

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