

Technical Data Sheet

SUPETRO LP 2021

Passenger Car Motor Oil Additive



Description:

The SUPETRO LP 2021 high-performance engine oil additive package is designed to meet and exceed the needs of a wide range of passenger vehicles requiring API SL/SJ/SG standards. Engineered with cutting-edge ashless dispersants, premium-grade detergents, ZDDP, and meticulously selected components, it provides superior control over soot dispersion, outstanding high-temperature cleanliness, and enhanced anti-oxidation, anti-wear, and anti-corrosion properties. This premium package not only meets but often surpasses API SL, SJ, and SG performance criteria at optimized treat rates of 6.8%, 5.5%, and 5.0% wt, ensuring reliable protection across varied applications while minimizing oxidation and engine wear for prolonged engine life and superior performance.

Key Performance Features:

- Delivers a cost-efficient, premium solution for dependable and long-lasting engine protection
- Supports extensive API performance levels from SL to SG, ensuring wide application suitability
- Ensures outstanding performance across a diverse range of engine types

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	900-1100
TBN, mg KOH/g	ASTM D2896	100-120
Flash Point, °C	ASTM D92	180 Min.
Calcium Content, wt.%	ASTM D4951	3.2-3.8
Nitrogen Content, wt.%	ASTM D5762	0.6-0.9
Zinc Content, wt.%	ASTM D4951	1.7-2.2
Phosphorus Content, wt.%	ASTM D4951	1.5-1.8
Molybdenum Content, wt.%	ASTM D4951	0.10-0.18

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

www.supetro.com

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| Superior Petrochemical Solutions |

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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