



LOCOMOTIVE POWER API SP ACEA C2/C3

FULLY SYNTHETIC

PRODUCT DESCRIPTION:

LOCOMOTIVE 0W-30 API SP is a full synthetic lubricant based on carefully selected very high quality base oils. This oil is specifically formulated to meet both the BMW Longlife-12 FE and the Ford WSS M2C950-A specification. It is adapted to meet the requirements of the latest technology, highly engineered turbo engines requiring high performance and lower viscosity oils.

APPLICATION:

This product is mandatory in the newest BMW and Ford gasoline and diesel engines. It provides a multi vehicle application through the ACEA C2 specification. Optimum formulation for today's cars with exceptional film strength preventing oil film breakdown and reducing friction providing fuel economy and reliability.

FEATURES & BENEFITS:

- Suitable for many modern BMW engine.
- Ideally suitable for modern turbocharged engines.
- Very good low temperature properties for the engine's optimal wear protection at low outside temperatures
- Excellent cold-start properties and fast engine oiling.
- Complies with the strict guidelines of BMW Longlife-12 FE with regard to engine cleanliness, fuel efficiency and wear.
- Low oil consumption owing to very low evaporation loss.
- Outstanding acid neutralisation behaviour.
- Low sulphate ash and low phosphorous and sulphate content protect diesel particle filters and catalytic converters.

PERFORMANCE LEVELS: Meets and Exceeds:

- API SP
- ACEA A5/B5, C2
- ILSAC GF-5/-6A
- BMW Longlife-12 FE
- FORD WSS-M2C950-A
- DTFR 15D100 (ex. MB 227.61)

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	RESULT
Grade			0W-30
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	49.2
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	9.92
Viscosity Index	ASTM D2270	-	193
SP. Gravity @15°C/ 60°F	ASTM D4052	g/cm ³	0.842
Flash Point	ASTM D92	°C	226
Pour Point	ASTM D97	°C	-45
TBN	ASTM D2896	mg KOH/g	9.6
CCS, (°C)	ASTM D5293	m.Pa.S	<6200(-35°C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. For further Information on safety guidelines please refer to MSDS available on our website Locomotive.com