



Diesel Engine Oil

Technical Data Sheet



LOCOMOTIVE POWER 5W20 LDF5

FULLY SYNTHETIC

PRODUCT DESCRIPTION:

LOCOMOTIVE 5W-20 LDF-5 is an ultra-high performance low viscosity heavy-duty engine oil. This oil provides enhanced durability, reducing wear and corrosion, and is formulated to deliver superior fuel economy for modern generation heavy-duty diesel vehicles. This lubricant delivers fuel economy savings specially for MAN and SCANIA.

APPLICATION:

LOCOMOTIVE 5W-20 LDF-5 is specifically designed to meet the latest MAN M3977 and Scania LDF-5 requirements for modern diesel engines equipped with Diesel Particulate Filters (DPF).

FEATURES & BENEFITS:

LOCOMOTIVE 5W-20 LDF-5 is formulated with advanced synthetic technology base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control and contribute to fuel economy improvement potential, in combination with special additive package to reach the following properties.

- Excellent protection against bore polishing, wear and corrosion.
- Excellent low temperature fluidity.
- Efficient and extended durability of emission exhaust systems fitted with DPF.
- Excellent Fuel conserving.

PERFORMANCE LEVELS: Meets or Exceeds:

- MAN M3977
- SCANIA LDF-5

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	RESULT
Grade			5W-20
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	46.8
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	8.2
Viscosity Index (min)	ASTM D-2270	-	150
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.856
Flash Point (min)	ASTM D-92	°C	218
Pour Point (max)	ASTM D-97	°C	-42
TBN	ASTM D-2896	Mg KOH/g	13.0
CCS, (°C)	ASTM D-5293	m.Pa.S	<6600 (-30°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 locomotivelubricants.com