



## LOCOMOTIVE POWER API CF-4/SJ

### SEMI SYNTHETIC

#### PRODUCT DESCRIPTION:

LOCOMOTIVE POWER CF-4/SJ is a high performance, diesel engine oil specifically formulated to address the needs of high power engines. Featuring an active-detergent system to keep pistons and other engine parts clean, thus it provides protection against wear for long engine life and protection against deposits for efficient engine performance. These are diesel engine oils specially designed to meet the requirements of engines produced by all manufactures in US, Europe and Japan.

#### APPLICATION:

Recommended for wide range of turbo-charged or naturally aspirated diesel engines, generators, trucks, construction cars, passenger cars or mixed car group comprising diesel and gasoline cars. It is also recommended for automotive diesel engine of passenger cars and light commercial vehicles where the OEM recommends API CF-4 or earlier specification.

#### FEATURES & BENEFITS:

- Fuel saving and reduces maintenance expenses for machines and engines.
- Very long oil changing period.
- Resists oil thickening and the formation of carbon, varnish and sludge deposits.
- Good viscosity control.
- Prolonged engine life.
- Safeguards the moving parts.
- Keeps engine Clean.

#### PERFORMANCE LEVELS: Meets or Exceeds:

- API CF-4/SJ
- MB 228.2
- ACEA E2-96, A3/B3
- MTU Type-2
- MAN 3275-1
- VOLVO VDS
- MACK EO/K2
- CES 20075/74/73

#### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	FRANKOL API CF-4/SJ (SEMI SYN)	
Grade			10W-30	10W-40
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	11.7	15.6
Viscosity Index (min)	ASTM D-2270	-	145	145
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	TBR	TBR
Flash Point (min)	ASTM D-92	°C	220	220
Pour Point (max)	ASTM D-97	°C	-36	-36

#### 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