



## LOCOMOTIVE POWER API SG/CF MINERAL

### PRODUCT DESCRIPTION:

LOCOMOTIVE POWER 20W50 mineral engine oil is a superior quality multi grade oil formulated with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevents the build-up of dirt and sludge in older engines operating in all driving conditions in highways and in the city.

### APPLICATION:

Gasoline and light-duty diesel engines found in passenger cars, farm and construction equipment, stationary diesel engines and four-stroke engines. It can be comfortably used in mixed fleet.

### FEATURES & BENEFITS:

- Superior viscosity retention.
- Oxidation resistant.
- Wear and friction protection.
- Engine Cleanliness and low combustion residue.
- Excellent detergency and dispersancy.
- Protection against rubber parts.
- Good TBN Retention.

### PERFORMANCE LEVELS: Meets and Exceeds:

- API SG/ CF
- MIL-L-2104C
- MB 227.0
- MAN 270

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	API SG/CF (MINERAL)
Grade			20W-50
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	19.6
Viscosity Index (min)	ASTM D-2270	-	120
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	TBR
Flash Point (min)	ASTM D-92	°C	220
Pour Point (max)	ASTM D-97	°C	-24
TBN	ASTM D-2896	mg KOH/g	7.0
CCS, (°C)	ASTM D-5293	m.Pa.S	<8862 (-25 °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