



Product Information:  
**LOCOMAX 20W-40 R**  
**RAILROAD DIESEL ENGINE OIL**

**Description:**

LOCOMAX 20W-40 R is designed for medium speed railroad diesel engines typically built prior to 1970.

**Applications:**

LOCOMAX 20W-40 R has been specifically formulated for the older diesel locomotive where the use of Zinc Free additives was not a prerequisite of the engine builders.

Unlike monograde engine oils, LOCOMAX 20W-40R allows easier starting and the maintenance of higher oils pressures throughout the working day and / or higher loadings. Due to the controlled viscosity across the working temperature range, governor issues during starting will be greatly reduced and remove the need for higher viscosity oils which can be troublesome when cold.

**Typical Engines:**

- English Electric 6KT, 8SVT, 12SVT, 12CSVT, 16SVT
- Gardner 6L3, 8L3
- Paxman 6RPHL, 6YJXL, 16YHX
- MAN L12V18/21S
- Sulzer 6LDA28, 6LDA28-B, 8LDA28
- Rolls Royce C6NFL176
- Leyland 680

LOCOMAX 20W-40R must not be used in Deltic, engines – Copper crown detachment - engines containing Silver bearings – corrosive wear - or LMOA generation 4, 5 and 6 engines.

**Performance Levels**

API CF

**Physical Characteristics**

SAE Grade	20W-40
Appearance	Clear Amber
Relative Density @ 15.6°C	0.881
Kinematic Viscosity @ 40°C (cSt)	116.5
Kinematic Viscosity @ 100°C (cSt)	13.2
Viscosity Index	108
CCS @ -15°C (mPa.s)	9500 maximum
Closed Flash Point (°C)	220
Pour Point (°C)	-36
BN (mgKOH/g)	7.9

Figures based on average production values

Part No.s: LMF205

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