



LUBRICANTS



# Product Data Sheet

## Gulf Dieselmotive Railroad Engine Oil

### Zinc-free, Chlorine-free, 9 TBN

Premium, locomotive crankcase oils designed to provide optimum engine protection for high horsepower, turbocharged two and four cycle engines normally found in railroads, marine and stationary power generation units where **zinc free** oils are required.

### Features and Benefits

- Utilizes the latest railroad oil chemistry that is both zinc and chlorine free to protect engines fitted with silver bearings while helping to reduce used oil recycling costs and environmental impact.
- Excellent detergent, dispersant and anti-wear performance
- Excellent retention of Base Number (BN) to protect engine against corrosive combustion by-products

### Approvals

- Electro-Motive Diesel LMOA Generation 5
- General Electric LMOA Generation 4 Long Life applications

### Applications

- LMOA Generation 6 quality level
- Meets the requirements and are compatible with earlier generation railroad diesel engine oils

### Typical Properties

SAE Grade	Test Method	40	20W-40
Product Code		335615	335620
Viscosity, cSt @ 40°C	ASTM D 445	146	130.0
Viscosity, cSt @ 100°C	ASTM D 445	15.0	15.3
Viscosity Index	ASTM D 2270	104	122
CCS Viscosity, cP @ -15°C	ASTM D 5293	--	6800
Pour Point, °F (°C)	ASTM D 5949	-11 (-24)	-17 (-27)
Flash Point, °F (°C)	ASTM D 92	498 (260)	496 (258)
TBN, (mg KOH/g)	ASTM D 2896	9	9
Sulfated Ash, mass %	ASTM D 874	1.0	1.0
Zinc Content, max.ppm	ICP	<10	<10
Specific Gravity, 60°F	ASTM D 4052	0.88	0.88

Always follow manufacture's recommendations for proper selection of engine oil quality and viscosity grade

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