

RR Oil 4090

Medium Speed High Output



Features & Benefits

- Non-chlorinated
- Minimizes oil degradation
- Low SAPS- reduces environmental emissions
- Excellent engine cleanliness and sludge control
- Excellent shear stability
- Reduced internal engine friction

Meets or exceeds requirements of:	
LMOA GENERATION VI	X
GE Gen 4LL	X
EMD	X
ALCO	X

North American Tier 3 and Tier 4 emission standards led to sulfur reduction in fuel. While the new fuel reduced emissions and oil consumption there was an increase in oil stress, oxidation and overall degradation leading to the requirements of new LMOA generation 6 technology.

Advanced detergent and dispersant technology reduces sludge formation and increases ability to handle higher loads of soot. Improved engine cleanliness promotes viscosity control and oxidative stability to minimize oil degradation. Alkaline reserve levels are optimized to be used with a variety of fuels including low and ultra-low sulfur diesel fuel while maintaining OEM requirements.

Size & Order Code

RR 4090 SAE 40	RR 4090 20W-40
205L (54.2 US Gal) F0092750	205L (54.2 US Gal) N.A
1000L (264 US Gal) F0092760	1000L (264 US Gal) F0092660
Bulk B0092701	Bulk B0092601

Typical Results

SERIES	4090	4090
SAE GRADE	40	20W-40
VISCOSITY (D445)		
cSt @ 40 °C	147.3	136.9
cSt @ 100 °C	14.8	14.6
VISCOSITY INDEX (D2270)	100	107
DENSITY (D4052) Kg/L	0.8967	0.8938
POUR POINT (°C) (D97)	-6	
COLD CRANK VISCOSITY (D2602) Cp @ -15°C		9389
FLASH POINT (°C)(D92)	280	266
TOTAL BASE NUMBER(D2896)	9.3	8.9
ZINC (ppm)(D4951)	<1.0	<1.0



Blending & Packaging

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Supporting data available to demonstrate acceptable performance.
Check with your sales Representative for latest product approvals.
Please note, these are typical performance indicators and can change without notice.
This data sheet supersedes any previous version prior to 06/22/2018