



## RORED EPA SAE 90, 140, 75W-90, 80W-90, 85W-90

**RORED EPA Series** are high performance gear lubricating oil which formulated from high quality base oil with selected Extreme Pressure additive.

*RORED EPA Series adalah pelumas roda gigi berkemampuan tinggi ini diformulasikan dari bahan dasar bermutu tinggi dengan aditif Extreme Pressure.*

TYPICAL CHARACTERISTICS			
Characteristics	Test Method	RORED EPA 90	RORED EPA 140
SAE Viscosity Grade		90	140
Density at 15 °C, kg/l	ASTM D - 4052	0.8960	0.9043
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	193.50	429.60
	at 100 °C, cSt	ASTM D - 445	17.45
Viscosity Index	ASTM D - 2270	97	94
ASTM Colour	ASTM D - 1500	L 3.0	L 4.0
Flash Point, °C	ASTM D - 92	237	238
Pour Point, °C	ASTM D - 5950	-18	-9

TYPICAL CHARACTERISTICS				
Characteristics	Test Method	RORED EPA 75W-90	RORED EPA 80W-90	RORED EPA 85W-90
SAE Viscosity Grade		75W-90	80W-90	85W-90
Density at 15 °C, kg/l	ASTM D - 4052	0.8899	0.8936	0.8971
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	110.90	143.60	208.31
	at 100 °C, cSt	ASTM D - 445	17.35	14.52
Viscosity Index	ASTM D - 2270	172	99	97
ASTM Colour	ASTM D - 1500	0.5	L 2.5	L 2.5
Flash Point, °C	ASTM D - 92	194	210	223
Pour Point, °C	ASTM D - 5950	-45	-35	-20

### PERFORMANCE LEVELS

**RORED EPA Series** comply with API GL-4, MAN 341 E-1, MAN 341 Z-1, ZF TE-ML 02A and Mercedes Benz Sheet 235.1 requirement.

**RORED EPA 90** is especially approved with Mercedes Benz 235.1.

### APPLICATIONS

**RORED EPA Series** are suitable for lubricating hypoid type gear wheel or spiral bevel at transmission, axle and steering box of vehicles engine with moderate duty operating condition.

**RORED EPA Series** type is not recommended for automatic transmission.

### TINGKATAN MUTU

**RORED EPA Series** memenuhi persyaratan kerja API GL-4, MAN 341 E-1, MAN 341 Z-1, ZF TE-ML 02A dan Mercedes Benz Sheet 235.1

**RORED EPA 90** mendapatkan approval Mercedes Benz 235.1

### PENGGUNAAN

**RORED EPA Series** digunakan untuk melumasi roda gigi jenis hypoid atau spiral bevel pada transmisi, gardan dan rumah/kotak kemudi kendaraan bermotor yang mempunyai persyaratan kerja tugas sedang.

**RORED EPA Series** tidak direkomendasikan untuk transmisi otomatis.