

# AUTOMATIC TRANSMISSION OILS & MANUAL TRANSMISSION OILS

- *Pertamina ATF*
- *Rored EPA Series*
- *Rored HDA Series*
- *Rored MTF*

## PERTAMINA ATF MINYAK TRANSMISI OTOMATIS

### KARAKTERISTIK TYPICAL

### TYPICAL CHARACTERISTIC

Characteristic	Testing Method	Test Result Typical
Kinematic Viscosity, at 40 °C, cSt	D - 445	38.50
100 °C, cSt	D - 445	7.44
Appearance	Visual	Clear
Viscosity Index	D - 2270	163
Density at 15 °C (kg/L)	D - 1298	0.8472
Colour ASTM	D - 1500	Red
Flash Point (COC), °C	D - 92	220
Pour Point, °C	D - 97	- 55

## RORED EPA SAE 90,140,80W-90 PELUMAS MESIN RODA GIGI

### TYPICAL CHARACTERISTIC

### KARAKTERISTIK TIPIKAL

Characteristic	RORED EPA 90	RORED EP A 140	RORED EP A 80W-90
No. SAE Viscosity Grade	90	140	80W-90
Specific density, 15 °C	0.8985	0.9043	0.8986
Viscosity Kinematic, at 40 °C, cSt	182.10	429.6	146.60
at 100 °C, cSt	16.85	28.74	14.68
Viscosity Index	97	94	99
Colour ASTM	L1.5	L1.5	L2.5
Flash Point, (COC) °C	236	238	205
Pour Point, °C	-18	-9	-18

## RORED HDA SAE 90,140,80W-90 PELUMAS MESIN RODA GIGI

### TYPICAL CHARACTERISTIC

### KARAKTERISTIK TIPIKAL

Characteristic	RORED HDA 90	RORED HDA 140	RORED HDA 80W-90
No. SAE Viscosity Grade	90	140	
Specific density, 15 °C	0.9018	0.9064	0.8986
Viscosity Kinematic, at 40 °C, cSt	176.22	425.5	146.60
at 100 °C, cSt	16.79	28.85	14.68
Viscosity Index	100	95	99
Colour ASTM	Green	Green	Green
Flash Point, (COC) °C	204	222	205
Pour Point, °C	-24	-9	-30

## RORED MTF 80W-90 MINYAK LUMAS TRANSMISI MANUAL

### TYPICAL CHARACTERISTIC

### KARAKTERISTIK TIPIKAL

Characteristic	Testing Method	Test Result Typical
Density 15 °C, Kg/l	D - 1298	0.8936
Viscosity Kinematic, at 40 °C, cSt	D - 445	141.44
at 100 °C, cSt		14.49
Viscosity Index	D - 2270	101
Colour ASTM	D - 1500	Green
Flash Point (COC), °C	D - 92	252
Pour Point, °C	D - 97	-24