

# RUBIA S



**DIESEL  
ENGINES**



**TOTAL**

**HD diesel engine oil monogrades-also used as hydraulic and transmission oils**

## APPLICATIONS

**All types of service**

- Premium quality oil formulated to meet the requirements of powershift transmissions
- The appropriate grades may be used as manual transmission, torque converters and hydraulic systems for which motor oils are recommended. The SAE 30, 40 and 50 grades may be used as diesel or fleet engine oils.

## PERFORMANCE

**OEMs approvals**

- API CF/SF
- ACEA E2
- MAN 270 (SAE 30 , 40)
- Mercedes Benz 228.0 (SAE 30 , 40)
- MIL-L-2104E
- MIL-L-46152-D (SAE 30)
- MTU Type 1 (SAE 30, 40)
- ZF TE-ML 03 B (SAE 10), TE-ML04B (SAE 30, 40)
- Meets the requirements of Allison C-3 (SAE 20)

## CUSTOMER BENEFITS

**High technical performance**

- Exceptional detergency and dispersancy
- High chemical stability and resistance to oxidation
- Excellent anti-wear, anti-corrosion, anti-foam and oxidation resistance

## CHARACTERISTICS

TYPICAL PROPERTIES—RUBIA S					
SAE Grade	10W	20W	30	40	50
Specific gravity @ 60/60°F	0.874	0.877	0.882	0.884	0.884
Viscosity @ 40°C, cSt (ASTM D 445)	37	55	90	135	193
Viscosity @ 100°C, cSt (ASTM D 445)	6.4	8.5	11.2	14.6	18.5
Viscosity Index (ASTM D 2272)	126	121	112	109	107
Pour point, °F (°C) (ASTM D 97)	-30 (-34)	-20 (-29)	-15 (-26)	5 (-15)	10 (-12)
Flash point °F (°C) (ASTM D 92)	395 (202)	420 (216)	430 (221)	450 (232)	460 (238)
TBN (ASTM D 2896)	10	10	10	10	10
Sulfated Ash, wt% (ASTM D 874)	1.1	1.1	1.1	1.1	1.1

TOTAL Lubricants USA Southwest

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