



SCHALTEN RS 5

FULLY SYNTHETIC

PRODUCT DESCRIPTION:

SCHALTEN RS 5 is synthetic multi-purpose transmission oil for synchronized and non-synchronized manual transmissions and for axle transmissions, transfer cases, intermediate gear boxes, ancillary transmissions in vehicles and work machines. It is developed to eliminate seasonal transmission oil changes. The balanced additive combination warrants properties such as high pressure capacity, above average viscosity- temperature properties, high oxidation stability, low solidification points, good wear protection and prevents sludge.

APPLICATION:

- Gearboxes requiring API GL-5 performance
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for automatic, manual, or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended
- Please verify OEM requirements and oil selection criteria

FEATURES & BENEFITS:

- Optimal cold flow property
- High pressure stable lubrication film, thus outstanding wear protection under any stress, reduced transmission noise and the best transmission efficiency under full load, i.e. even with very hot oil
- Outstanding shearing stability
- Excellent oxidation stability, no foaming
- No oil thickening or deposits
- Extraordinary ageing stability
- Excellent viscosity-temperature properties
- Effective wear protection
- Extraordinary corrosion protection, no rust, won't harm non-ferrous metals.
- Neutral to sealants, i.e. transmissions stay tight, no oil loss

PERFORMANCE LEVELS: (Meets & Exceeds)

- API: GL-5
- API MT-1
- MIL-PRF-2105E
- SAE J2360
- MAN 342 M2
- SCANIA STO 1:0
- ZF TE-ML 05A, 7A, 12E, 16B, C & D, 17B, 19B, 21A
- MB 235.8
- VOLVO 97312

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	SCHALTEN RS 5		
SAE Grade			75W-80	75W-90	75W-140
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	50.0	106	192
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	8.7	17.0	27.8
Viscosity Index (min)	ASTM D-2270	-	153	175	183
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.872	0.870	0.870
Flash Point (min)	ASTM D-92	°C	210	210	210
Pour Point (max)	ASTM D-97	°C	-39	-39	-39
Brookfield Viscosity @ -40 °C	ASTM D-5293	mPa.s	<150,000	<150,000	<150,000

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Runol.net

