

### TRANSGEAR LL 40 SYN

#### PRODUCT DESCRIPTION

Vertex Transgear LL 40 Syn is an SAE 40 Fully Synthetic truck manual gearbox oil. The product has been developed to suit the requirements of heavy-duty transmissions such as Eaton Fuller, Road Ranger, Spicer, Meritor, ZF and Dana synchronized and non-synchronized transmissions. Vertex Transgear LL 40 Syn contains anti-wear, anti-foam, oxidation, corrosion, and rust inhibiting additives. The product is suitable for extended drain periods. Transgear LL 40 Syn meets API GL-1 specification producing a softer anti-wear layer on bearing materials and components under extreme pressure. Vertex LL 40 Syn is designed to protect copper and soft alloy materials typically found in Road Ranger, Eaton Fuller, Rockwell and Spicer transmissions. The product is not suitable for use in transmissions requiring an API GL-4 specification. Vertex Transgear LL 40 Syn may be used where an SAE 40 grade oil is warranted in manual transmissions with OEM approval.

#### APPLICATIONS & BENEFITS

- Full Synthetic formulation provides significantly better performance and protection than mineral based transmission fluids – increased fuel economy and component longevity.
- Top tier additives provide anti wear, anti-foam, corrosion and anti-rust protection for long term wear protection and high temperature stability.
- Vertex Transgear LL 40 Syn is a full synthetic fluid with extended drain benefits for transmissions operating under arduous conditions.
- With its modern anti wear, anti-foam, corrosion and rust inhibiting package, Vertex Transgear LL 40 Syn delivers excellent protection even under the most demanding conditions.

#### PACK SIZES AVAILABLE

20L - 200L

#### SPECIFICATIONS

- SAE 40
- API GL-1
- API Service Category MT-1
- Eaton PS-386, PS-164 Rev 7
- Eaton Roadranger extended drain
- International TMS 6816
- Mack Truck TO-A Plus
- Meritor O-81 (Publication TP-90014)
- ZF Freedomline
- Spicer Transmission Extended Drain
- Dana synchronized and non-synchronized transmissions.

### TYPICAL CHARACTERISTICS

TRANSGEAR LL 40 SYN	UNITS	ASTM METHOD	VALUES
APPEARANCE	-	Visual	Bright and Clear
COLOUR	-	D 1500	<1.5
VISCOSITY cSt @ 40°C	cSt	D 445	109.5
VISCOSITY cSt @ 100°C	cSt	D 445	14.87
SPECIFIC GRAVITY @ 15°C	Kg/l	D 4052	0.8524
SPECIFIC GRAVITY @ 20°C	Kg/l	D 4052	0.8492
VISCOSITY INDEX	-	D 2270	141
POUR POINT	°C	D 97	-36
FLASH POINT COC	°C	D 97	244

### ADDITIONAL INFORMATION

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.