

Description

Long-lasting oil for differentials and manual gearboxes that require the GL-5 quality level. Specially recommended for commercial and civil-works vehicles working under harsh conditions and requiring a high-performance lubricant. Complies with current manufacturers' regulations that demand oils with long drainage periods, enabling double or triple the interval between oil changes in comparison with conventional mineral oils.

Properties

- Allows long change intervals, in accordance with manufacturers' recommendations.
- Excellent compatibility with seals and gaskets, helping to prevent leaks and the formation of deposits.
- High load-bearing capacity in gear assemblies, preventing the mechanical-component failures that are typical in the use of commercial and civil-works vehicles.
- Better thermal stability and resistance to oxidation than conventional mineral oils, offering greater protection to metal components and enabling longer intervals between oil changes.
- Temperature-stable viscosity, allowing for good fluidity at low temperatures and ensuring a protective film under all circumstances.

Quality levels, approvals and recommendations

- API GL-5/MT-1 (80W-90 y 85W-140)
 - RENAULT Axle (80W-90)
 - MB 235.20 (80W-90)*
 - DAF API GL-5 (80W-90 y 85W-140)
 - MAN 342 M3 y 341 GA1 (80W-90)*
 - SAE J 2360 (80W-90)
 - VOLVO 97310 (80W-90 y 85W-140)
 - SCANIA STO 1:0 para cajas (80W-90 y 85W-140)*
 - ZF TE-ML 05A/07A/08/12L/12M/16B/17B/19B/21A (80W-90)*
 - MACK GO-J (80W-90 y 85W-140)
 - SCANIA STO 1:0 para diferenciales (85W-140)*
 - IVECO Axle (80W-90 y 85W-140)
 - ZF TE-ML 05A/07A/08/12M/16D/21A (85W-140)*
 - ARVIN MERITOR O76-D (80W-90)
 - ARVIN MERITOR O76-A (85W-140)
- *Approval

	UNIT	METHOD	VALUE
SAE Grade			80W-90
Density at 15 °C	g/mL	ASTM D 4052	0,901
Viscosity at 100 °C	cSt	ASTM D 445	14,25
Viscosity at 40 °C	cSt	ASTM D 445	135
Viscosity at -26 °C	cP	ASTM D 2983	<150.000
Viscosity at -12 °C	cP	ASTM D 2983	-

NAVIGATOR LL 80W-90, 85W-140

Transmissions and
Gearboxes

Viscosity index	-	ASTM D 2270	102
Flash point, open cup	°C	ASTM D 92	204
Pour point	°C	ASTM D 97	< -30