

PRODUCT DATA SHEET

ESSENTIAL 80W/90

DESCRIPTION:

ARIOIL GEAR 80W-90 heavy-duty EP oil is designed for use in final drives and manual transmissions that require API GL-5 performance. The technology used in this formulation allows it to comply with the requirements of various OEM brands such as MB, IVECO, and others.

PLACE OF USE:

- Suitable for use in gearboxes, final drives, and power take-offs on the farm and earth-moving machinery.

BENEFITS :

- Outstanding extreme pressure and wear resistance.
- Exceptional compatibility with seals.
- Prolonged life of gears and bearings as a result of minimal deposits.
- Smooth gearbox operation.
- Efficient low-temperature lubrication.
- Remarkable protection against rust and corrosion.
- Broad temperature range of operation.
- Impressive thermal stability and resistance to oxidation.

SPECIFICATIONS:

ARIOIL GEAR 80W-90 meets the requirements of:

- API: GL-5

properties	Unit	Test Method	Values
Density@15°C	g/ml	ASTM D 4052	0,887
Kin. viscosity@40°C	mm ² /s	ASTM D 445	123,4
Kin. viscosity@100°C	mm ² /s	ASTM D 445	15,14
viscosity Index	-	ASTM D 2270	127
flash point(COC)	°C	ASTM D 92	192
Pour point	°C	ASTM D 97	-24
Foam volume Seq. I Seq. II Seq. III	ml/ml	ASTM D 892	
Viscosity of 150,000 mPa*s temperature	°C	ASTM D 2983	
Copper corrosion, 3hrs@ 100	-	ASTM D 130	

- These characteristics are typical of current production. While future production will conform to ARIOL specifications, these characteristics may vary.
- For further guidance on product health and safety, refer to the appropriate ARIOL Product Safety Data Sheet.
- Dispose of the used oil at an authorized collection point. Do not discharge into drains, soil, or water.