

# CARTAGO LD 80W90 & 85W140



TRANSMISSIONS AND GEARBOXES

Lubricants

## 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

- API GL-5/MT-1 (80W90 and 85W140)
- RENAULT Axle (80W90)
- MB 235.20 (80W90)
- DAF API GL-5 (80W90 and 85W140)
- MAN 342 M3 (80W90)
- ZF TE-ML 05A/07A/08/12E/16D/21A (85W140)
- ARVIN MERITOR O76-D (80W90)
- ARVIN MERITOR O76-A (85W140)
- SAE J 2360 (80W90)
- VOLVO 97310 (80W90 and 85W140)
- SCANIA STO 1:0 for gearboxes (80W90 y 85W140)
- ZF TE-ML 05A/07A/08/12E/16B/17B/19B/21A (80W90)
- MACK GO-J (80W90 and 85W140)
- SCANIA STO 1:0 for differentials (85W140)
- IVECO Axle (80W90 and 85W140)

A safety data file is available on request.

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Technical data sheet for Lubricants. Revision 1. March 2012

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### Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			80W90	85W140
Density at 15 °C	g/mL	ASTM D 4052	0.901	0.914
Viscosity at 100 °C	cSt	ASTM D 445	14.25	24.55
Viscosity at 40 °C	cSt	ASTM D 445	135	320
Viscosity at -26 °C	cP	ASTM D 2983	150000 max.	-
Viscosity at -12 °C	cP	ASTM D 2983	-	150000 max.
Viscosity index	-	ASTM D 2270	102	98
Ignition point, V/A	°C	ASTM D 92	204	218
Pour point	°C	ASTM D 97	-30 max	-12 max.

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