

Product Sheet

CARINA 80W-90 - CARINA 85W-140

High performance lubricants, SAE 80W-90 e 85W-140, for manual gearboxes, axles and differentials on cars, vans, trucks, buses, agricultural and construction machinery

Description

All-seasons lubricants, with high performance, SAE 80W-90 e 85W-140. Suitable for manual gearboxes, axles and differentials under high loads, on cars, vans, trucks, buses, agricultural and construction machinery.

Applications

Miscible with all gear oils mineral and synthetic based. Flushing is not necessary. However, mixing with other gear oils should be avoided in order to fully utilize the product's benefits.

Specifications / Approvals

SAE 80W-90

- API GL-4/GL-5
- MAN M 342 TYPE M2
- ZF TE-ML 05A, 12E, 16B, 17B, 19B

Recommended by ARGO TRACTORS according to

- MIL-L-2105 D

SAE 85W-140

- API GL-4/GL-5
- ZF TE-ML 05A, 12E, 16D

Recommended by ARGO TRACTORS according

- MIL-L-2105 D

Benefits

- Easier cold starts.
- Very good viscosity / temperature behavior.
- Gearbox temperatures do not increase too high because of an effective wear protection and friction reduction.
- Prevents from rattling and squeaking noises, even under very severe operating conditions.
- Maintaining of the power performance, thanks to the protection against the corrosion of the metals normally used in the gearboxes, and to the absence of deposits on the seals
- Reduced fuel consumption.
- Reduced maintenance costs.
- Rationalization of grades and packaging.
- Suitable for manual gearboxes, axles and differentials. No special oils are required for hypoid gears. CARINA 80W-90 can be used where the following SAE grades are required: 85W, 85W-90 e 90. CARINA 85W-140 can be used where the following SAE grades are required: 85W, 85W-140 e 140.
- Excellent gearbox protection.
- Compatible with all the materials used for seals and gaskets.

Average Typical Data

Properties	Unit	Value		Test Method
SAE Grade		80W-90	85W-140	
Density @ 15°C	g/ml	0.908	0.890	ASTM D 1298
Flash Point COC	°C	238	240	ASTM D 92
Pour Point	°C	-30	-18	ASTM D 97
Viscosity				
@ -26°C	mPa.s	110000		ASTM D 2693
@ -12°C	mPa.s		140000	ASTM D 2693
@ 40°C	mm ² /s	134	427	ASTM D 445
@ 100°C	mm ² /s	14.4	30.7	ASTM D 445
Viscosity Index		108	98	ASTM D 2270

The information contained in this product sheet are the best of our knowledge and nothing contained therein shall be assumed as a guarantee. It is responsibility of the user to determine the suitability and correct relevance of these information according to its specific use.