SPINTA 80W-90 GL-4

Product Code: SP-TR-8090-GL4

Manual Transmission Gear Lubricant

PRODUCT DESCRIPTION

SPINTA 80W-90 GL-4 is a gear lubricant developed for manual gearboxes and mechanical transmissions operating under demanding conditions where SAE 80W-90 and API GL-4 performance are required. Its EP and anti-wear additive system supports reliable lubrication, component protection, oxidation resistance and compatibility with synchronized transmissions where specified by the manufacturer.

APPLICATIONS & BENEFITS

Universal Application Suitable for a broad range of manual transmissions and gear mechanisms requiring API GL-4.

Wear Protection Anti-wear additives help protect gears and transmission components under demanding operating conditions.

Oxidation Resistance The formulation helps resist oxidation and supports longer lubricant service life.

KEY PERFORMANCE BENEFITS

EP Protection Extreme-pressure performance supports gears operating under high-speed/low-torque and low-speed/high-torque conditions.

Seal Compatibility Compatible with a broad range of sealing elastomers, helping reduce lubricant leakage.

Synchronized Gearboxes Suitable for synchronized and non-synchronized manual transmissions where API GL-4 is specified.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; OEM/application claims as indicated:

- SAE 80W-90
- API GL-4
- DTFR 13B100
- ZF TE-ML 02
- ZF TE-ML 08
- MIL-L-2105D

Recommendation: Always refer to the transmission manufacturer's operating and maintenance manual to confirm the required SAE viscosity grade and API GL performance level before use.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	80W-90 GL-4
SAE Grade	-	80W-90
Appearance	Visual	Clear
Density @ 15°C, kg/dm³	ASTM D 4052	0.880
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	125.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	16.0
Viscosity Index	ASTM D 2270	110
Flash Point, °C	ASTM D 92	220
Pour Point, °C	ASTM D 97	-30

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.

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