



PRODUCT DATA SHEET

Havens Engrenage SAE 75W90 API GL-4 GL-5 LS

DESCRIPTION

Havens Engrenage SAE 75W90 API GL-4 GL-5 LS is a fully synthetic universal all season gear lubricant formulated from synthetic base oils and an advanced additive system.

PROPERTIES

- Exceptional thermal stability
- Enhanced frictional properties
- Resistance to high temperature oxidation
- Outstanding protection against low speed/high torque wear

APPLICATIONS

Havens Engrenage SAE 75W90 API GL-4 GL-5 LS provides excellent low temperature fluidity for safe lubrication during very low temperature transmission and transaxle startup, and also maintains a thick protective oil film during extremely hot operating conditions. Recommended for use in all types of synchronized manual transmissions (including heavy-duty), in differentials (including LS with excessive friction), steering equipment and other transmission parts API GL-4/GL-5 LS is required.

PERFORMANCE LEVELS

Meets and exceeds:

API GL-4; API GL-5, API GL-5 LS (Limited Slip); MACK GO-J; MACK GO-J Plus; MAN 342 Type M1; MAN 342 Type M2; MAN 342 Type M3; SCANIA STO 1:0

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Havens Engrenage SAE 75W90 API GL-4 GL-5 LS
Viscosity Grade			75W90
Density @ 15°C, kg/l	ASTM D1298	kg/l	0.860
Viscosity @ 100°C, cSt	ASTM D445	cSt	15.7
Viscosity @ 40°C, cSt	ASTM D445	cSt	115
Viscosity Index (min)	ASTM D2270	-	144
Pour Point, °C	ASTM D97	°C	-45
Flash Point, °C	ASTM D92	°C	210

The values shown above are typical values at the date of publication. Havens Lubricants reserves the right to change these typical values without prior notice

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.havenslubricants.com