

High Performance Lubricant for Enclosed Flender Gears

Description

DAYAN SPARTAN F SERIES are lead-free EP high premium quality gear oil designed for heavy-duty industrial gears. Formulated with high VI base oils and a sulfur-phosphorus additives it offers superior load-carrying capacity and anti-friction performance compared to leaded oils.

Features and benefits

- Excellent extreme-pressure performances.
- Excellent anti-corrosion properties protecting gears in critical environments .
- Outstanding thermal stability ensuring a longer service life than conventional lubricants.
- Strengthened foaming protection.
- Good demulsification behaviour.
- Excellent gear protection against micropitting.

Application

- DAYAN SPARTAN F SERIES are new generation of high-performance lubricant for heavily loaded reducers.
- All industrial gearboxes that certificated by simence Rev.16 (Flender Approval)

Specification

- Siemens AG for use in Flender , DIN 51517- Part 3 CLP
- ISO 12925-1 Type CKD , ISO 12925-1 Type CKC
- AGMA EP 9005- F16 , AIST 224 (US Steel)

Storage and Handling

DAYAN SPARTAN F SERIES are Unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standard of Industrial and personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	100	150	220	320	460	680
ISO Viscosity Grade	-	-	100	150	220	320	460	680
Relative Density at 15°C	g/ml	ASTM D4052	0.84	0.88	0.89	0.89	0.90	0.90
Kinematic Viscosity at 40°C	mm²/s	ASTM D445	100	150	220	320	460	680
Kinematic Viscosity at 100°C	mm²/s	ASTM D445	12	15	19.4	25	30.7	39.5
Viscosity Index	-	ASTM D2270	100	100	100	100	96	96
Open Flash Point	°C	ASTM D92	236	236	236	240	250	250
Pour Point	°C	ASTM D5985	-20	-21	-18	-18	-12	-9
(4-ball) welding point	kgf	ASTM D2783	250	250	250	250	250	250

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.