Texol Grease™ ALW Series

Technical Data Sheet

Texol Grease™ ALW Series
Fully synthetic aluminum complex bearing grease with TFAS®

Product Description

Texol Grease ALW series with TFAS® was designed for normal service and can be used as multipurpose grease, especially for fast moving bearings. TFAS® is an additive package designed to reduce friction while providing surface protection and improvement.

Texol Grease ALW greases are special lubricating greases on a synthetic hydrocarbon base. They also contain special aluminum complex soap and the TFAS® additive package provides protection in the boundary friction regime, thus preventing tribo-corrosion. Texol Grease ALW greases have the capacity to absorb high pressures, good anti-corrosion properties and they have excellent water and steam resistant.

Applications and Uses

Texol Grease ALW greases are particularly suitable for medium to fast-speed Rolling bearings, and for swivel movements and vibrations.

They can be used in friction points subject to micro-sliding movements, especially in serrated teeth elements, spline shafts, sliding components, plain bearings and gears with high speed and can also be used in central lubrication systems. They are also generally suitable for all machine elements potentially subjecy to tribo-corrosion.

Advantages

- Excellent thermal stability
- Optimum wear protection
- Low coefficients of friction, low temperature rise in the bearing
- Extreme structural stability
- Excellent sealing from hazardous environments including dust, water and water vapor
- Long-term stability
- High corrosion protection
- Protection against tribo-corrosion
- Good pressure absorption capacity
- Good pumpability
- Free from solid particles
- Water repellent
- Steam resistant

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Characteristics

Property (Unit)	000	00	0	1	2	Method
NLGI grade	000	00	0	1	2	DIN 51818
Base oil viscosity at 40°C	300	300	300	300	300	DIN 51366
Thickener	aluminum complex					-
Colour	yellow					-
Flash point °C	>320					ISO 2592
Dropping point °C	>260					ISO 2176
Behavior in the presence of water, 90 °C	0					DIN 51807/1
Oxidation stability, after 100h, hPa	<250					DIN 51808
Oxidation stability, after 300h, hPa	<400					DIN 51808
Emcor test, IP 220/67, Rating	0/0					DIN 51802
Copper corrosion, 100°C, after 24 h	1					DIN 51811
Rust Prevention properties, Rating	1					ASTM D 1743
Four ball weld point, N	8500 / 9200					DIN 51 562
Four ball test scar diameter, mm	0.50					ASTM D 2266
Four ball wear test scar diameter, mm	<0.7					DIN 51350-05-E
SRV test, 50°C,300N,2h Amplitude 1000µm, µ	0.07-0.08					DIN E 51834-02-S
FAG-FE 9 Test	Passed					DIN 51821-02-A
Flow pressure at -20°C, hPa	645					DIN 51805
Pour Point, °C	< -45	< -44	< -40	< -35	<-32	DIN ISO 3016
Operating temperature range, °C	-45 / + 220					-

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