



Aerolube Technologies



Technical Data Sheet

Fluidtech WG 670 Synthetic Fluid Grease for Lubrication of Worm Gears

Product Description

Stanvac Fluidtech WG 670 Grease is an NLGI Grade 00 semi fluid synthetic grease specially formulated for 'long-life' lubrication of gear boxes for 'filled for life' features allowing long term, trouble free maintenance and operation.

Based on synthetic polyglycols, Stanvac Fluidtech WG 670 Grease offers excellent resistance to degradation by oxidation, thermal and chemical environments.

Its low coefficient of friction transmits maximum power with minimum increase in temperature. The superior anti wear additives in this formulation impart excellent load carrying ability, minimize metal to metal contact, reduce power consumption at start up and increase life of gear tooth.

Applications

- Stanvac Fluidtech WG 670 Grease is specially formulated for lubrication of worm gear drives for its inherent ability to lower frictional losses, keep temperatures low and for allowing maximum power transmission delivery without overheating.
- Especially suited for gear boxes where worm gears are in a combination of steel and tin-bronze materials.
- Highly suitable for use in other enclosed gear boxes with spur, helical or spiral bevel trains.
- Recommended for long life lubrication of gear boxes in industrial applications where maintenance access is difficult.
- Suitable for use as a lubricant in areas requiring or demanding lubrication for the life of the unit.
- Note: Not for use for steel / aluminum bronze combinations.

Benefits

- Outstanding chemical, thermal and oxidation stability
- Reduces operating temperature and power consumption
- Highly cohesive, excellent adherence to metal surfaces and reduces lubricant leakage
- Excellent anti wear additives enhance load carrying capability
- Decrease gear tooth wear and increases wear life of equipment
- Offers very good start up protection due to low co-efficient of friction
- Extended re-lubrication intervals reduce product consumption, maintenance and lubrication costs
- Synthetic formulation compatible with all seal materials (except silicone)

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Directions for Use

Use as supplied. Never dilute or mix with other oil or grease.

Filling the grease: Stanvac Fluidtech WG 670 Grease is a synthetic grease based on polyglycol fluid and is not miscible with mineral oil based lubricants. Care must be taken to ensure it is not mixed with other lubricants or mineral oil based products. When refilling the gearbox with Stanvac Fluidtech WG 670 Grease that has been previously lubricated with a mineral oil based product, every precaution should be taken to ensure complete cleanliness. It is highly recommended to flush out the unit thoroughly and if required change seals (that may have been adversely affected by earlier mineral oil) before filling with Stanvac Fluidtech WG 670 Grease.

All traces of the previous lubricant should be removed before the unit is refilled with Stanvac Fluidtech WG 670 Grease. Do not fill the gear box completely. Fill the amount recommended by the gear box manufacturer.

Compatibility

Paints: High quality, oil resistant type based on red lead or epoxy are recommended for use on gear box interior surfaces in contact with the grease as the polyglycol based fluid may attack weak or poor quality conventional paints.

Seal Materials: Stanvac Fluidtech WG 670 Grease is compatible with all normal seal materials with the exception of those of silicone.

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Available Packaging

5 kg, 20 kg

Shelf Life

36 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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TECHNICAL PROPERTY		
Parameter	Test Method	Value
Type	In house	Synthetic oil and soap preparation
Appearance	Visual	Light grease
Color	Visual	Buff; light beige
Base Oil	In house	Polyglycol
Base Oil Viscosity, @ 40°C, mm ² /s	ASTM D 445	120
Thickener	In house	Lithium
Density	In house	>1
NLGI Grade	ASTM D 217	00
Worked Penetration	ASTM D 217	400-430
Dropping Point	ASTM D 556	+185
Operating Temperature Range, °C	In house	-30 to +130
Oil Separation, 24h, 40°C	ASTM D 1742	4.5%
Oxidation Stability, PSI Drop	ASTM D 942	2.2
Emcor Rust Test	IP 220	0-0

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged

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