



Aerolube Technologies



Technical Data Sheet

GEARTECH OGL 400 GRADES 1,0,00,000 Greases **High Performance Sprayable Grease For Lubrication of Open Gears**

Product Description

Stanvac Geartech OGL 400 Grease Series is a non-hardening, sprayable, adhesive grease designed for lubrication and protection of tooth flanks of large open gears exposed to extremely high loads and temperatures.

Stanvac Geartech OGL 400 Grease Series is based on highly viscous mineral oils thickened with an aluminum complex soap thickener with a high content of ultra-fine graphite and select extreme pressure and anti-wear additives.

Stanvac Geartech OGL 400 Grease Series ensures excellent resistance to shock loading and prevents danger of damage to tooth flanks by continually maintaining a boundary lubricating film between frictional points of mating surfaces.

Stanvac Geartech OGL 400 Grease Series clings tenaciously to gear tooth flanks and does not squeeze out under high loads and pressures.

Stanvac Geartech OGL 400 Grease Series is capable of withstanding extreme operating and environmental conditions and protects surface from corrosion and can be easily pumped via spray systems on to the gear teeth.

Application

For spray lubrication of open gears in:

- Heavy engineering industries, Cement, gypsum and lime manufacturing equipment, Mining and earth moving equipment, Wood working equipment, Sugar mill machinery

For lubrication and wear protection of:

- Highly stressed large open gears and slew ring gears, Large chains, Wire ropes, Guide rails

Benefits

- Wide service temperature range of -10°C to +180°C
- Thermally stable within -30°C+250°C
- Excellent adhesion to metal surfaces
- Forms a non-hardening, adhesive film over gear tooth flanks capable of withstanding high pressures
- Excellent load carrying capacity under severe conditions
- Very good resistance to water and water washout
- Contains additives to prevent against degradation by rust, corrosion and oxidation
- Easily sprayable through spraying systems
- Free of bitumen, chlorine, lead, toxic heavy metals or hazardous solvents

Directions for Use

Use as supplied. Never dilute or mix with oil or grease. Apply on all clean sliding surfaces by normal greasing methods i.e. by brush, grease gun or dispense via centralized lubrication systems. Replace cover after use.

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

180 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

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TECHNICAL PROPERTIES

PARAMETER	VALUE				UNIT	STANDARD
	Product	OGL 400/1	OGL 400/0	OGL 400/00		
Appearance	Smooth grease	Smooth grease	Smooth grease	Smooth grease		Visual
Color	Black	Black	Black	Black		Visual
Base oil	Mineral / synthetic	Mineral / synthetic	Mineral / synthetic	Mineral / synthetic		In house
Base oil viscosity @ 40°C	~1650	~1650	~850	~650	mm ² /s	ASTM D 445
Thickener	Clay	Clay	Clay	Clay		In house
Penetration, worked	310-340	350-380	400-430	430-470	mm/10	ASTM D 217
NLGI consistency	1	0	00	000	Class	DIN 51 818
Drop point	None	None	None	None	°C	ASTM D 2265
Copper strip corrosion	1b	1b	1b	1b	Rating	ASTM D 4048
Rust prevention	Pass	Pass	Pass	Pass		ASTM D 1743
Lubricating solid	Graphite	Graphite	Graphite	Graphite		In house
Four ball test, weld load	800	800	800	800	kg	ASTM D 2596
Service temperature	-10 to +180	10 to +180	-10 to +180	-10 to +180	°C	

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.