



Aerolube Technologies



Technical Data Sheet

AQUATECH WR Series High Performance Greases With Excellent Shear Stability & Water Resistance

Product Description

Stanvac Aquatech WR grease series are mineral oil thickened with a lithium calcium thickener and special additive combinations to provide excellent protection against wear, rust and corrosion. These greases exhibit excellent adhesion, shear stability and very good resistance to water.

Premium additives used for enhancing extreme pressure properties demonstrate high load and wear reducing capabilities to make these greases ideal for use under demanding conditions.

Stanvac Aquatech WR grease series provide extended lubrication, increase equipment wear life, reduce maintenance costs, downtime and are ideally suited for lubrication of bearings subjected to heavy loads, slow to medium speeds and high temperatures.

Applications

▪ For roller and plain bearings in steel, mining, cement, construction, textile, paper, heavy engineering industry.

Benefits

- Extremely wide service temperature range of -20°C to +150°C
- Excellent resistance to water and water washout
- Extend re-lubrication intervals and cut down lubricant consumption
- Combination of EP additives increase the load bearing capacity
- Offer good surface protection and corrosion inhibiting properties
- Very good shear stability under moderate to high loads and medium speeds
- Make sliding smoother and reduce operational noise
- Increase wear life of the equipment
- Good resistance to oxidation and corrosion

Directions for Use

Use as supplied. Never dilute or mix with other 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.

Available Packaging

180 kg

Shelf Life

36 months from date of manufacture in sealed condition.

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).

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TECHNICAL PROPERTY

PARAMETER	VALUE				UNIT	STANDARD
	WR 180	WR 220	WR 460	WR 1000		
Product	WR 180	WR 220	WR 460	WR 1000		
Appearance	Smooth grease	Smooth grease	Smooth grease	Smooth grease		Visual
Color	Brown	Brown	Brown	Brown		Visual
Base oil	Mineral	Mineral	Mineral	Mineral		In house
Base oil viscosity @ 40°C	160-180	220	~460	~1000	mm ² /s	ASTM D 445
Thickener	Lithium calcium	Lithium calcium	Lithium calcium	Lithium calcium		In house
Penetration, worked	265-295	265-295	265-295	250-275	mm/10	ASTM D 217
NLGI consistency	2	2	2	2	Class	DIN 51 818
Drop point	+180	+180	+180	+180	°C	ASTM D 2265
Copper strip corrosion	1a	1a	1a	1a	Rating	ASTM D 4048
Rust prevention	Pass	Pass	Pass	Pass		ASTM D 1743
Water washout	<3	<3	<2	<2	%	ASTM D 1264
Four ball test, weld load	200	200	300	500	kg	ASTM D 2596
Service temperature	-20 to +140	-20 to +140	-20 to +150	-20 to +150	°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.

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