WHITMORE

TECHNICAL DATA SHEET

NOVAGARD®

EXTREME PRESSURE MULTIPURPOSE GREASE

Whitmore® Novagard® extreme pressure aluminum complex base grease can be used in a variety of grease-lubricated mining applications. Because of its excellent water resistance, wide operating temperature range, extreme pressure and antiwear characteristics, users have found that Novagard can replace several previously stocked greases. This aids in reducing inventories and lessening the chance of misapplication.

Novagard contains MoS_2 and graphite to provide solid film lubrication which plates out on lubricated components to virtually eliminate metal-to-metal contact, even under severe shock loading conditions.

Many equipment applications experience stop-and-go conditions or reversing direction. This tends to shear down conventional greases, necessitating frequent relubrication, and may shorten bearing life. Novagard® has excellent mechanical stability which allows it to retain its original structure and consistency, even when worked very hard for extended periods under varying loads and speeds.

BENEFITS:

- WATER-RESISTANT – repels water.
- EXTREME PRESSURE - protects against shock loads, welding and scoring. This results in fewer replacement parts and reduced downtime.
- OPERATING RANGE - is easily pumped and protects in temperatures ranging up to 330°F (165°C) which reduces the need for seasonal grade changes.
- SEALS OUT DIRT AND CONTAMINANTS - the durable aluminum complex base forms a protective barrier.
- VERSATILE FORMULATION - ideal for a wide range of operating environments and applications. Helps reduce inventories and prevent misapplication.

APPLICATIONS:

Whitmore Novagard extreme pressure grease is designed to lubricate antifriction bearings and bushings. It is also recommended for vehicle chassis points and U-joints as well a pivot points and bucket pins on earthmoving equipment. Novagard will provide extended service intervals and reduced wear to draglines, shovels, excavators, trucks, conveyors and other rolling stock as well as in-plant applications.

ASTM #		TYPICAL CHARACTERISTICS		
	Grade	EP 0	EP 1	EP 2
D-217	**Cone Penetration** (Worked)	355-385	310-340	265-295
D-2265	**Dropping Point**, °F (°C)	450 (232)	480 (249)	480 (249)
D-445	**Kinematic Viscosity** cSt @ 40°C cSt @ 100°C	 30 4.4	 180 15.0	 177 14.5
Gardner Method	**Density**, lb/gal @ 60°F (°C) **Specific Gravity**, g/cc @ 60°F (°C)	7.80 0.930	7.8 0.930	7.72 0.927
D-2509	**Timken OK Load**, lb	Not Reported	Not Reported	60
D-2596	**Four Ball EP** Weld Point, kg Load Wear Index	 500 75	 620 85	 620 85
D-2266	**Four Ball Wear,** Scar Width, mm	0.55	0.55	0.55
D-1743	**Rust Test**	Pass	Pass	Pass
D-4048 (Modified)	**Copper Strip Corrosion for Greases** 212°F (100°C) @ 3 hrs	1B	1B	1A
	Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
	Usable Temperature Range, °F °C	 -30 to 250 -34 to 120	 -10 to 330 -23 to 165	 20 to 330 -7 to 165

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Shuttle Tanks	Drums	Kegs	Pails	Cartridges 50 per case

For warranty information, scan the QR code.

whitmores.com

Made in the USA in an ISO 9001-2015 and ISO 14001:2015 Facility