

# PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



## DuraLife 2500-2

### *High Performance Calcium Sulfonated Complex Grease*

#### DESCRIPTION:

**DuraLife 2500-2** is a modified, over based, sulfonate thickened grease and represents the latest technology for multipurpose grease. It is truly the “ideal” grease for multipurpose performance within changing manufacturing environments. **DuraLife 2500-2** is unequalled in the areas of high temperature performance, resistance to water, mechanical stability and corrosion resistance.

#### PERFORMANCE:

**Automotive:** High dropping point and exceptional oxidation resistance make sulfonate complexes an obvious choice for long-lasing lubrication of wheel bearings, constant velocity joints, universal joints, fifth wheels, king pins and all chassis points.

**Metalworking:** Metalworking calls for lubricants with all the properties of sulfonate complexes. They are the right choice for machine tools, mechanical presses, milling heads and allied equipment, reduction gears, exposed gears, cams, toggle joints, links and other components.

**Mining:** Outstanding rust protection, combined with extreme pressure and anti-wear performance, make sulfonate complexes appropriate for use in mining applications such as rock crushers, conveyors and drilling machinery.

**Pulp and paper:** Water resistance plus corrosion inhibition make these sulfonate complex greases ideal for use in the corrosive environments often found in pulp and paper mills. Sulfonate complexes far exceed ASTM D1743 rust test requirements in both deionized and synthetic seawater. Specific applications include calendar bearings, high-speed spindles, and most other devices operating under load in moist, humid conditions.

**Steel:** In steel manufacturing, sulfonate complex greases have already begun replacing other premium greases. According to customers, overall grease consumption is lowered due to declined relubrication frequency owing to the excellent high-temperature performance of these greases. Because these greases exhibit high resistance to water, they are effective in applications where flooding or cascading coolant can contact the lubricant. Applications include: hot mill work roll bearings, cold mill work roll bearings, temper mill work roll bearings, continuous casters, plating line bearings, couplings, oscillators, torch pin rolls, automatic torches, run out rolls, cross transfer rolls, shears, blowers and traveling cranes

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## PROPERTIES:

	<b>Test Method</b>	<b>DL2500-2</b>
Appearance		Smooth
Color		Tan
Soap Type		Calcium Sulfonate
Thickener Content		15-18%
NLGI Grade	ASTM D4950	2
Base Oil Viscosity @ 100 °F	ASTM D445	2,400-2,700 SUS
Viscosity Index, min	ASTM D2270	95
Grease Mobility @ -18 °C	US Steel LT37	0.50g/min
Dropping Point	ASTM D2265	288 °C (550 °F)
Penetration @ 25 °C (77 °F)	ASTM D217	
Worked 60 strokes		265-295 dmm
Rust Prevention	ASTM D1743	Pass
Oxidation Stability by OPV @ 100 hrs	ASTM D942	3 psi
Oil Separation	ASTM D1742	0.2 wt%
Water Spray off	ASTM D4048	<10.0
EP Properties (Four-Ball Method)	ASTM D2596	
Weld Point		500 kgf
Load Wear Index		68 kgf
Timken OK Load	ASTM D2509	65 lbs
Four-Ball Wear	ASTM D2266	0.40 mm

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