

## Product Description

D-A Magnaplex 3 Plus™ is specially formulated with synthetic base oil, high temperature thickener, and extreme pressure additives, which provide essential benefits in extreme-duty service applications. D-A Magnaplex 3 Plus contains an enhanced rust and corrosion inhibiting system, which contributes to reduced surface pitting; and molybdenum disulfide, which reduces frictional and abrasive wear on components. The results are increased equipment life and decreased maintenance costs. Viscosity enhancing fortifiers give D-A Magnaplex 3 Plus excellent adhesive and cohesive characteristics needed for continuous lubrication protection, especially where shock loads are common.

The combination of synthetic base oil and lithium complex soap thickener provides excellent component protection at high operating temperatures, while superior oxidation resistance protects base oil integrity. In addition, D-A Magnaplex 3 Plus exhibits excellent water resistance, protecting components in high-moisture conditions.

D-A Magnaplex 3 Plus provides excellent salt water rust and corrosion protection against wintertime road salt.

## Product Features and Benefits

Synthetic base oil contributes to enhanced pumpability at low temperatures and superior oxidation resistance at high temperatures.

High temperature thickener provides extra grease stability in high ambient and high component temperature environments.

Fortified with molybdenum disulfide to provide extra wear protection while reducing friction.

Rust and corrosion inhibitors control metal attack even in damp or corrosive environments. Seals out dirt and water for maximum wear protection and component life.

Highly cohesive and adhesive properties assure proper lubrication over extended service intervals.

Compositional balance results in good pumpability characteristics in automatic lube systems.

## PRODUCT AT A GLANCE

- PAO Synthetic Base
- Lithium Complex
- 3% Moly
- Extreme Service
- Excellent protection against salt water rust and corrosion
- High temperature applications up to 425° F (218° C).
- Excellent pumpability in low temperature applications down to 0° F (-18° C).



**D-A Lubricant Company, Inc.**

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## Typical Applications

Automatic Lube Systems  
Bucket Pins  
Crusher Bearings  
Fifth Wheel Applications  
Fittings  
General Chassis Lubrication

Hydraulic Linkage Pins  
Manual Cone Adjustments  
Pin and Bushing Assemblies  
Pivot Pins  
Scraper Goosenecks  
Shaker Screen Bearings

Slow Speed Ball and Roller Bearings  
Track Drive Rollers  
Troughing Rollers & Idlers  
Truck Kingpins  
Trunnion Bearings

## Typical Properties

Property	ASTM D217	#1	#2
NLGI Grade	Visual	Dark Gray	Dark Gray
Color	Visual	Dark Gray	Dark Gray
Soap Type	ASTM D128	Lithium Complex	Lithium Complex
Dropping (Melting) Point, ° F	ASTM D226	500+	525+
Base Viscosity @ 40° C	ASTM D445	220	220
Viscosity Index	ASTM D2270	120	120
Water Wash-Out, % Loss	ASTM D1264	5.0	2.0
Water Spray-Off, % Loss	ASTM D4049	30	20
4-Ball Weld Load, kg	ASTM D2596	315	315
4-Ball Wear Scar Diameter, mm	ASTM D2266	0.45	0.45
Timken OK Load	ASTM D2509	50	50
U.S. Steel Mobility gm/min @ 60° F	USS LT-37	205	95
gm/min @ 20° F	USS LT-37	32	18
gm/min @ 0° F	USS LT-37	10	7
Bearing Rust Test	ASTM D1743	Pass	Pass
Copper Corrosion Test	ASTM D4048	1b	1b
Molybdenum Disulfide, wt. %	ASTM D128	3%	3%
Rec. Operating Temp Range		-40 to 150° C	-40 to 150° C
D-A Product Numbers:	Drum (400 lb.)	12812	12822
	Quarter Drum (120 lb.)	12816	12826
	Pail, metal (35 lb)	12819	12829
	Cartridges	12817T	12827T

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture. The information contained herein is subject to change without notice.*

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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