

## Product Description

D-A ThermoPlex<sup>™</sup> is a calcium sulfonate complex grease that offers superior high temperature lubrication coupled with outstanding mechanical stability for minimized grease run out. D-A ThermoPlex also provides extremely high load carrying capacity, optimized control of rust and corrosion, excellent water resistance and superior protection against heavy shock loads and severe equipment operation.

ThermoPlex is proven in the toughest high temperature applications including brick kilns, steel mills, asphalt plant equipment and wheel bearings associated with disc brakes. D-A ThermoPlex is excellent for high temperature bearing applications as well as shaker screens, cone crushers, conveyors, loaders, trucks and many other applications.

D-A ThermoPlex provides truly versatile, multipurpose and superior performance in high temperature service as well as in general equipment lubrication.

## Product Features and Benefits

Dropping point of over 500°F for extreme high temperature applications. This is not a clay thickened grease so it will stay on-the-job without leaving abrasive residue.

Excellent mechanical stability in heavy duty service resists grease breakdown and run-out in high and low temperature applications.

Specially selected antiwear compounds provide wear control and reduce friction.

Rust and corrosion preventatives protect both ferrous and non-ferrous metals in damp or corrosive environments.

Excellent EP (extreme pressure) protection properties increase component life.

Combination of base oils, thickeners and additives provide a superb high temperature grease that also exhibits excellent low temperature pumpability.



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

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## Typical Applications

### High Temperature Service

Asphalt Plants  
Brick and Block Kilns  
Cement Plants  
Disc Brake Wheel Bearing Assemblies  
Hammers and Pile Drivers  
Paving Equipment  
Steel Mill Applications

### General Lubrication

Construction Equipment  
Industrial Gear and Bearing Sets  
Logging Machinery  
Mining Equipment  
Pit and Quarry Equipment  
Truck Chassis  
Heavy Water Environments

Highly Corrosive Environments  
High Loads, Humidity, and Temperature  
Marine and Off-Shore Drilling Rigs  
Wet and Dry Ends of Paper Machines

## Typical Properties

NLGI Grade	ASTM D217	#0	#1	#2
Soap Type	ASTM D128	Calcium Sulfonate		
Color	Visual	Tan	Tan	Tan
Base Oil Viscosity @40C	ASTM D445	460	460	462
Drop (Melting) Point, °F	ASTM D2265	500	500	500
Water Washout, % Loss	ASTM D1264	n/a	5	3
4-Ball Weld Load, kg	ASTM D2596	620	620	620
4-Ball Scar Diameter, mm	ASTM D2266	0.5	0.5	0.5
Timken OK Load	ASTM D2509	60	60	60
Bearing Rust Test	ASTM D1743	Pass	Pass	Pass
Oxidation Stability, PSI drop, 100 hrs.	ASTM D943	<4	<4	<4
Usable Temperature Range	None	-20 to 150°C	-20 to 150°C	-20 to 150°C
Copper Corrosion	ASTM D4048	1b	1b	1b

D-A Part Numbers	Drum - 400 lb	*	12862	12872
	Quarter Drum - 120 lb	*	12866	12876
	Pail - 35 lb	*	12868	12878
	Cartridges - 43 lb	N/A	12867T	12877T

*\* indicates special order, additional processing times and minimum orders may apply.*

*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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