

MolySynPlex™



Product Description

D-A MolySynPlex™ is specially formulated with a masterful blend of full (PAO) synthetic base oil, high temperature thickener, and extreme pressure additives, which provide essential benefits in extreme-duty service applications. D-A MolySynPlex 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 MolySynPlex 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 MolySynPlex exhibits excellent water resistance, protecting components in high-moisture conditions.

D-A MolySynPlex 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.*

Service 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

High temperature applications up to 425° F (218° C).
Excellent pumpability in low temperature applications down to 0° F (-18° C).

Typical Properties:

PROPERTY	TEST METHOD		
NLGI Grade	ASTM D217	2	1
Penetration @ 77° F	ASTM D217		
Worked 60 Strokes		265 - 295	310 - 340
Worked 10,000 Strokes			
Thickener Type	ASTM D128	Lithium complex	Lithium complex
Thickener Content, %	ASTM D128	11 - 14	9 - 11
Appearance	Visual	Smooth/Tacky	Smooth/Tacky
Color	Visual	Gray	Gray
Base Oil Viscosity, cST @ 40° C	ASTM D445	200 - 220	200 - 220
Viscosity Index	ASTM D2270	95 Min.	95 Min.
Bearing Rust Test	ASTM D665	Pass	Pass
Rust Prevention	ASTM D1743	Pass	Pass
Copper Corrosion	ASTM D4048	1B	1B
Dropping Point, ° F	ASTM D226	525 Min.	500 Min.
Roll Stability % Change	ASTM D1831	+10	+10
Timken OK Load, lbs.	ASTM D2509	+80	+80
Water Washout, % Loss	ASTM D1264	3.0	5.0
Water Spray Off, % Loss	ASTM D4049	17 Max.	20 Max.
Wheel Bearing Leakage	ASTM D1263	1.39%	1.96%
4-Ball Weld Point, kg.	ASTM D2596	620	620
4-Ball Weld, 40 kg., 1200 RPM, 1 Hr., Scar Diameter, mm.	ASTM D2266	0.6	0.6
Molybdenum Disulfide, %	ASTM D128	3.0	3.0

**To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)
Or Fax orders to (317) 923-3884**

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