

Product Description

D-A **Titan Blue**™ is a technologically advanced grease specifically tailored for extreme lubrication conditions and challenging environs. When under extreme pressure and load, its unique **Micro Technology**™ system imparts tiny 'pressure activated' microencapsulated particles to deliver a protective barrier preventing metal to metal (boundary) contact, particularly in various types of harsh ambient environments where high shock loads are expected. It also maintains unparalleled film thickness throughout its service and affords excellent high temperature stability / oxidation control at elevated temperatures. In addition, the D-A **Titan Blue**™ lithium sulfonate complex thickening system provides metal with inherent corrosion protection in the most challenging environmental conditions, including very corrosive salt water ingress. D-A **Titan Blue**™ not only affords unparalleled protection and lubrication, but promotes extended grease service, reducing maintenance downtime and lubrication overall costs. It is blue in color and available in NLGI #1 and #2 grades.

Product Features and Benefits

Pressure activated **Micro Technology**™ system, imparting superior extreme pressure (EP) protection.

Exceptional friction reducer and heat dissipater will easily handle heat in extreme environments.

Superior oxidation protection for extended service life.

Remarkable wear protection against the most extreme loads.

Maintains pumpability and film strength at the same time.

Lithium Sulfonate Complex thickener system that provides unsurpassed protection (less wear, lower friction) and equipment service life.

All the pumpability and compatibility advantages of a Lithium and the extreme corrosion protection of a Sulfonate in one grease.

Compatible with all Lithium thickeners.

Typical Applications

Mining	Trucking
Quarry	Refuse
Construction	Ready Mix Fleets
Marine	Industrial
Trailer Wheel Bearings	Agriculture

Typical Properties

NLGI Grade	ASTM D217	#1	#2
Thickener Type	ASTM D128	Lithium Sulfonate Complex	Lithium Sulfonate Complex
Color	Visual	Blue	Blue
Worked Penetration @ 77°F	ASTM D217	310 - 340	265 - 295
Dropping Point, °F (°C)	ASTM D2265	500 (260)	500 (260)
Kinematic Viscosity @ 40 (cSt)	ASTM D445	220	220
Four Ball EP, Weld Load kgf	ASTM D2596	>800	>800
Four Ball Wear, Scar Dia., mm @ 200 kg	ASTM D2596	<1.15	<1.15
Load Wear Index	ASTM D2596	>150	>150
Timken OK Load	ASTM D2509	>70 lbs. min	>70 lbs. min
Water Wash-Out, % Loss	ASTM D1264	<12%	<6%
Rust Prevention, 100% Sea Water	ASTM D5969	3x Pass	3x Pass
Mobility @ 60°F	US Steel	>250 g/min	>150 g/min
Elastomers (2X)	ASTM D4289	GC-LB Limits	GC-LB Limits
Molybdenum Disulfide, wt. %	ASTM D128	Nil	Nil
Ring-on-Block (Low speed / High Load) 1-hour test, non-replenished sump	ASTM D2509 Modified		
PSI Rating, psi.		Pass/ >9,000 psi	Pass/ >9,000 psi
Max Temperature, °F (°C)		284 (140)	284 (140)
Average Coefficient of Friction After 30-minute break in		0.03	0.03

D-A Part Number:

Bulk	12241	12261
Drum – 400 lb	12242	12262
Qtr Drum – 120 lb	12246	12266
Pail (Metal) – 35 lb	12249	12269
Cartridges – 43 lb	12247T	12267T