

ACCULUBE® HYDROSYNTHETIC™ LUBRICATING GREASE

NLGI GRADE 1 & 2
NLGI GRADE 0, 00 & 000
USDA H-2

ACCULUBE is a multi-functional lubricant formulated to provide long lasting protection to bearings and other applications that are exposed to moisture, pounding and heavy loads. **ACCULUBE** is the most cost-efficient alternative to extend component life and reduce grease consumption.

ACCULUBE is a white, tacky, short-fiber lithium 12-hydroxystearate grease, fortified with the latest additive technology. Hydrotex Durox®, Endurium® and Resilium® proprietary additives work synergistically with 100%, synthetic base stock to provide extreme pressure, anti-wear and corrosion resistance.

ACCULUBE is fortified with **Teflon®** to provide an anti-friction layer of solid film lubricant protection, reducing wear between metal surfaces.

ACCULUBE additive technology plus performance enhanced synthetic base stocks provide the benefits of:

Outstanding Anti-Wear & Extreme Pressure Performance - Endurium® forms a layer of protection between metal surfaces to eliminate welding and scoring associated with severe shock loading.

Oxidation and Rust & Corrosion Protection - Durox® protects metal surfaces from harmful effects of water, acidity, and other contaminants.

Superior Water Resistance - resists harmful dilution and corrosive effects of water while protecting equipment.

Adhesive/Cohesive - Resilium® provides adhesive and cohesive properties that eliminate sling-off and pound out under heavy loads.

	Load	Environment	Temperature Range	Bearing Speed Range
NLGI No. 2	High Extreme Pressure Loads - 50,000 PSI Will Not Pound-out	Seals Out Dust & Dirt Acid Resistant Fresh Water Resistant Salt Water Resistant	+5 °F to 300 °F -15 °C to 150 °C	2,000 RPM in 2 inch bearing, up to 4,000 RPM in 1 inch bearing
NLGI No. 1	High Extreme Pressure Loads - 50,000 PSI	Same as Above Automatic Lubricators	-10 °F to 300 °F -23 °C to 150 °C	3,000 RPM in 2 inch bearing, up to 5,000 RPM in 1 inch bearing

TYPICAL APPLICATIONS INCLUDE:

Anti-friction Bearings
Pins and Bushings
Wheel Bearings

Chassis Points
Motors
Couplings

Plain Bearings
King Pins
Sliding Surfaces

Fifth Wheels
Pumps
Conveyors

ACCULUBE® HYDROSYNTHETIC™ LUBRICATING GREASE

TEST DESCRIPTION	ASTM NO.	TYPICAL PROPERTIES			
		00	0	1	2
NLGI Grade	D-217	00	0	1	2
Penetration worked 77°F(25°C)		420	365	325	275
Thickener Type		Lithium	Lithium	Lithium	Lithium
Saybolt Viscosity Base Oil	D-2161				
SUS @ 100 °F		626	727	1750	1750
SUS @ 210 °F		71.6	83.2	165	165
Kinematic Viscosity Base Oil	D-445				
cSt @ 40° C		120	140	380	380
cSt @ 100° C		13	16	35	35
Dropping Point °F (°C)	D-2265			380 (193)	380 (193)
Volatile Organic Compounds , %wt, 81°C @ 110 minutes	E1868-10	0.14	0.17		0.29
Density , LB/gal. (gm/cc) @ 60°F(15.5°C)	D-1298	7.28 0.873	7.31 0.877	7.67 0.921	7.77 0.933
Four Ball EP Weld Point, kg 1800 rpm @ 77°F (25°C), 10 sec	D-2596	200	250	315	315
Timken OK load , LB Extreme pressure 800 rpm @ 100°F (37.8°C) SOS	D-2509	Greater than 50	Greater than 50	Greater than 55	Greater than 55
Copper Strip Corrosion 212°F (100°C)/3 hr	D-4048	1a	1a	1a	1a
Rust Test A. Distilled Water 24 hr/140°F (60°C) B. Synthetic Sea Water 24 hr/140°F (60°C)	D-665	Pass Pass	Pass Pass	Pass Pass	Pass Pass
Water Wash-Out , % loss, max. 600 rpm @ 175 °F(79°C)/ 1 hr	D-1264	Not Determined	Not Determined	1.9	1.3
Lincoln Ventmeter Test 72°F, psi 30°F, psi 0°F, psi		100 125 175	100 125 200	150 175 300	275 400 750
Color		White	White	White	White

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

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HydroSynthetic™ is a trademark of Hydrotex
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