

INTERLUBE IL-GBHD

BIODEGRADABLE STEARATE GREASE

IL-GBHD

DESCRIPTION :

IL-GBHD is a readily biodegradable, minimally toxic, Lithium 12- OH. Stearate grease formulated to provide high film strength, withstand high operating temperatures, and maintain excellent stability. IL-GBHD features a high viscosity base oil for high load carrying capabilities. BioGrease HD also has excellent anti-wear and water washout properties. It is designed for heavy-duty use in a variety of industrial, mobile, and marine applications. Available in NLGI grades 1 and 2.

PROPERTIES :

INTERLUBE IL-GBHD		Test Method	HD # 1	HD # 2
PRODUCT CODE			IL-GBHD	IL-GBHD
N.L.G.I Grade			1	2
Color			AMBER	AMBER
Penetration	ASTM D-217		310-340	265-295
Dropping Point °F (°C)	ASTM D2265		>350 (176)	>350 (176)
Viscosity @40°C, cSt	ASTM D-445		220	220
Viscosity @100°C, cSt	ASTM D-445		45.6	45.6
Flash Point °F (°C)	ASTM D92		520 (271)	520 (271)
Fire Point °F (°C)	ASTM D92		550 (287)	550 (287)
Timken OK Load, lbs	ASTM D2509		55	55
Water Washout, % loss max	ASTM D1264		6	6
4 Ball Wear, mm	ASTM D2266		.50	.50
4 Ball EP Weld Load, lbs	ASTM D2596		315	315
Rust Test, 1% Synthetic Sea Water	ASTM D05959		PASS	PASS
U.S. Steel Mobility, gm/min	USS LT-37			
@ 77° F			2574	1168
@ 20° F			393	166
@ 0° F			106	36
Copper Corrosion	ASTM D4048		1A	1A
Rust Test, A & B	ASTM D665		PASS	PASS
Readily Biodegradable (meaning>60%)	ASTM D-942		PASS	PASS
Biodegradability, %	OECD 301B		>75	>75
Minimally Toxic			PASS	PASS
Algae (EC 50), 72 hr, mg/L	OECD 201		>26,000 mg/L	>26,000 mg/L
Daphnia (EC 50), 48 hr, mg/L	OECD 202		>13,000 mg/L	>13,000 mg/L
Fish (LC 50), 96 hr, mg/L	OECD 203		>40,000 mg/L	>40,000 mg/L
Not Bioaccumulative (Calculated value as per EPA standard)			PASS	PASS
Bio-based Content, %	ASTM D6866		90	90

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KEY ATTRIBUTES / APPROVALS :

Any industry (hydroelectric powered dams, construction, refuse, mining, dredging, marine, agriculture, oil & gas, plant operations, etc.) utilizing equipment with a need for a heavy duty grease, especially systems where a release into the environment is possible or where a leak or spill could reach a waste stream. Suitable for use in automatic lubrication systems or via manual application.

USDA BioPreferred Program

Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.