

Overview ▶ BioGrease HDS LT is a grease formulated to provide superior performance in the toughest conditions. BioGrease HDS LT is formulated with synthetic esters that enable the products to protect equipment at a very wide temperature range while also having limited impact on the environment. The grease provides excellent protection for equipment without using Moly to further reduce its impact on the environment and to enhance its cold weather performance. BioGrease HDS LT has mobility at temperatures as low as -40C.



BioGrease HDS LT is formulated featuring our proprietary **eSyn™** technology. Available in NLGI grade 1

Typical Properties ▼

Property	ASTM Test Method	HDS LT 1
Product Code		SG40001
NLGI Grade		1
Color		Amber
Texture		Smooth
Viscosity @40°C, cSt	ASTM D445	100
Viscosity @100°C, cSt	ASTM D445	15
Viscosity Index (VI)	ASTM D2270	157
Timken OK Load, lbs	ASTM D2509	80 Pass
4 Ball Weld, Kg	ASTM D2596	250
4 Ball Average Scar, mm	ASTM D2266	.61
Dropping Point, °F (°C)	ASTM D2265	>350 (176)
Rust Test, A & B	ASTM D665	Pass
Readily Biodegradable (meaning>60%)		Pass
Biodegradability, %	OECD 301B	>62
Minimally Toxic		Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>20,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>10,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>56,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass

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 grease capable of handling extreme temperatures. Suitable for equipment 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.

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.

Rev. BGRHDSLT-05282020