

DAYLube™ Food Grade High-Performance Lubricating Grease

Product Description and Intended Use

DAYLube is an NLGI No. 2 high performance lubricating grease used where incidental contact with food is a possibility (NSF-H1). It also excels in applications where resistance to water washout and broad operating temperatures are absolutely necessary. The formulation of this product provides unsurpassed resistance to extreme pressures and corrosion, including salt spray. DAYLube also has exceptional mechanical stability even in the presence of water. It contains no heavy metals or other environmentally undesirable additives.

Product Application

DAYLube has an operating range of -15° F to 550° F. Follow equipment manufacturer's recommendations concerning lubrication frequencies.

Product Specifications

	Result	Test Method
Color / Texture	Off-White / Smooth	
NSF Registration No. / Category Code	149698 / H1	
Soap Type	Calcium Sulfonate Complex	
NLGI Grade	2	
Penetration, Unworked	265-295	ASTM D 217
Penetration, Worked 100,000 strokes	265-295	ASTM D 217
Roll Stability, % Change	3.1	ASTM D 1831
Dropping Point, °F (°C), min	600 (316)	ASTM D 2265
Water Washout @ 175°F (79.4°C), % loss	0.5	ASTM D 1264
Four-Ball Wear, mm	0.38	ASTM D 2266
Timken OK Load, lbs.	60	ASTM D 2509
4-Ball Weld point, kgf	500	ASTM D 2596
4-Ball EP Load Wear Index, kgf	62	ASTM D 2596
Wheel Bearing Life Test, hours	180	ASTM D 3527
Grease Oxidation, psi loss, 1000 hrs	9.0	ASTM D 942
Rust Test	Pass	ASTM D 1743
Oil Separation Test, %	Nil	ASTM D 1742
Salt Fog Corrosion (hrs to failure)	>300	ASTM B 117
Base Fluid Viscosity Index	92	ASTM D 2270
Base Fluid Viscosity @ 40°C, cSt	95	ASTM D 445
Base Fluid Viscosity @ 100°C, cSt	10.5	ASTM D 445
Base Fluid Flash Point °F (°C)	482 (250)	ASTM D 92
Base Fluid Fire Point °F (°C)	572 (300)	ASTM D 92
Base Fluid Pour Point °F (°C)	+10 (-12)	ASTM D 97

Safety-Disposal / Emergency and First Aid Procedures

- **Eye Contact**—If splashed into eyes, flush with clean water for 15 minutes or until irritation subsides. If irritation persists, call a physician immediately.
- **Skin Contact**—In case of skin contact, remove any contaminated clothing and wash skin thoroughly with mild soap and water. If irritation persists, call a physician immediately.
- **Inhalation**—Remove affected person to fresh air. Call a physician immediately.
- **Ingestion**—If ingested, call a physician immediately.

See Material Safety Data Sheet for additional information.

DAYLube should be stored indoors. Dispose in accordance with local authorities.

Performance

- **Outstanding Mechanical Stability** — Shows little change in Cone Penetration (ASTM D 217) or consistency after 100,000 strokes. There is no evidence of shear breakdown in the Roll Stability Test (ASTMD 1831), even in an extended high temperature, modified version to increase the test's severity.
- **Excellent Extreme Pressure (EP) and Anti-wear Performance** — Illustrated with Timken OK Values (ASTM D 2509) of 60 pounds or greater and 4-Ball EP (ASTM D 2596) LWI results of over 60 kgf with a weld point of 500 kgf. 4-Ball Wear (ASTM D 2266) performance is equally impressive with typical wear scar of less than 0.40 mm.
- **Protects Against Rust and Corrosion** — Easily passes the standard Corrosion Preventive Properties Test (ASTM D 1743). A severe, Salt Fog Test (ASTM B 117) yields passing performance in excess of 300 hours, something few food grade greases of any other technology can achieve.
- **Excellent Water Resistance** — Exceptional Water resistance is shown in Water Washout Test ASTM D 1264, exhibiting a 0.5% loss at 175°F

Packaging

DAYLube is available in syringes, tubes, jars, and tubs.

DOT Labeling Requirements

Hazardous Materials Description and Proper Shipping Name (29 CFR 1910.1200)	Hazardous Class (29 CFR 1910.1200)
Not Regulated	Not Applicable

