

Overview ▶ BioLube TJC is a readily biodegradable thread and joint compound for drill pipe and other threaded connections. It is formulated with high quality natural ester base oil and non-metallic solids, providing excellent protection against seizing and galling. This formula is also highly resistant to water washout and corrosion. It is easy to apply across a wide temperature range and is available in a pumpable version, BioLube TJC 1. BioLube TJC and TJC 1 are registered as meeting the standards of NSF/ANSI 61: Drinking water system components and are free of PFA's (Polyfluoroalkyl substances). BioLube TJC is a premium quality, non-toxic alternative to petroleum oil based thread compounds, many of which contain a high percentage of metallic solids.



BioBlend TJC is formulated featuring our proprietary **eSyn™** technology.

Typical Properties ▼

Property	ASTM Test Method	TJC 1	TJC
Product Code		BG31001	BG31002
NLGI Grade		1	2
Color		Beige / White	Beige / White
Texture		Tacky	Tacky
Density, Lbs per gallon		10	10
Viscosity @40°C, cSt	ASTM D445	38.9	38.9
Viscosity @100°C, cSt	ASTM D445	8.4	8.4
Viscosity Index (VI)	ASTM D2270	201	201
Flash Point °F (°C)	ASTM D92	550 (285)	550 (285)
Corrosion Strip Corrosion	P112	1A	1A
Copper Corrosion	ASTM D4048	1A	1A
Rust Test, A & B	ASTM D1743	Pass	Pass
Readily Biodegradable (meaning>60%)		Pass	Pass
Biodegradability, %	OECD 301B	>80	>80
Dropping Point, °F (°C)	ASTM D2265	400 (205)	>530 (276)
4 Ball EP Weld Load, kg	ASTM D2596	>400	>620
Friction Factor	API RP 7A1	1.16	1.16

Key Attributes / Approvals ▶



Any industry utilizing threaded connections where a release into the environment is possible: oil & gas drilling, geo-technical drilling, water well drilling, construction, mining, etc.

- NSF/ANSI 61 Certified
- PFA's Free
- USDA BioPreferred Program
- Meets API RP 5A3
- 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.

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