

BIO LUBE TJC

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.

Specifications, Approvals, Recommendations:

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



Physical Properties	TJC 1	TJC
NLGI Grade	1	2
Penetration, ASTM D217	315-325	270-275
Color	Beige / White	Beige / White
Texture	Tacky	Tacky
Density, Lbs Per Gallon	10	10
Viscosity, ASTM D445 @40°C, cSt	38.9	38.9
Viscosity, ASTM D445 @100°C, cSt	8.4	8.4
Viscosity Index (VI), ASTM D2270	201	201
Flash Point, ASTM D92, °F (°C)	340 (170)	340 (170)
Copper Corrosion, ASTM D4048	1A	1A
Copper Strip Corrosion, P112	1A	1A
Dropping Point, ASTM D2265, °F (°C)	400 (205)	>530 (276)
Rust Test, ASTM D1743, A & B	PASS	PASS
4 Ball EP Weld Load, ASTM D2596, kg	>400	>620
Friction Factor, API RP 7A1	1.16	1.16
Readily Biodegradable, (meaning>60%) OECD 301B, %	PASS >80	PASS >80

Applications & Industries: 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.

