

INTERLUBE IL-TFS220

BIODEGRADABLE LUBRICANT FOR DRILL HEAD GEARS

IL-TFS220

DESCRIPTION:

IL-TFS220 is a biodegradable industrial gear oil formulated from synthetic ester base stocks. The combination of these high quality base oils and robust additive package allows for maximum equipment protection for extended drain intervals, while simultaneously providing protection for the environment. The additional lubricity of the fluid allows for efficient operation in demanding conditions. Available in ISO grades 220.

TYPICAL PROPERTIES

Interlube IL-TFS220	ASTM Test Method	IL-TFS220
PRODUCT CODE		IL-TFS220
ISO Grade		220
Specific Gravity	ASTM D1298	0.87
Viscosity @40°C, cSt	ASTM D445	220
Viscosity @100°C, cSt	ASTM D445	27
Viscosity Index	ASTM D2270	>160
Pour Point °F (°C)	ASTM D97	-40 (-40)
Flash Point °F (°C)	ASTM D92	>500 (260)
Gear Lubrication, FZG Load Stage	DIN 51354	13+
Water Separation, min	ASTM D1401	25
Copper Corrosion	DIN 51354-2	1A
Rust Test A & B	ASTM D665	PASS
Readily Biodegradable (meaning>60%)		PASS
Biodegradability	OECD 301B	>60
Minimally Toxic		PASS
Algae (EC 50), 72 hr, mg/L	OECD 201	>18,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>11,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>23,000
Not Bioaccumulative (Calculated value as per EPA standard)		PASS
Bio-based Content %	ASTM D6866	>78

PACKAGING: Pail 18.9L, Drum (steel or plastic) 208.4L and Tote 1040L

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KEY ATTRIBUTES / APPROVALS :

To be used in industrial gear applications for drilling equipment. Use in equipment where a release into the environment is possible, where the authorities have mandated the usage of an EAL, or where a leak or spill could reach a waste stream.

- 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)
- Meets AGMA 9005-E02 Industrial Gear Specification

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