

INTERLUBE IL-BIO GEAR FS

SYNTHETIC GEAR FLUID

IL-BIO GEAR FS

DESCRIPTION :

Interlube Bio Gear FS oil is formulated from a synthetic ester base oil. The combination of this very high quality base oil with a carefully selected additive package provides maximum equipment protection while extending oil change intervals. The increased lubricity of the product enables efficient operation under demanding conditions.

Bio GEAR FS oil is available in ISO grades 220, 320 and 460.

INTERLUBE IL-BIO GEAR		ASTM Method tested	IL-220FS	IL-320FS	IL-460FS
Grade ISO			220	320	460
Density	ASTM D1298	.87	.87	.87	.87
Viscosity @40°C, cSt	ASTM D445	220	320	460	
Viscosity @100°C, cSt	ASTM D445	27	36	46	
Viscosity Index (VI)	ASTM D2270	>160	>160	>160	
Pour point °F (°C)	ASTM D97	-40 (-40)	-40 (-40)	40 (40) -	
Flash point °F (°C)	ASTM D92	>500 (260)	>515 (268)	>527 (275)	
Gear lubrication, FZG load stage	DIN 51354	13+	13+	13+	
Water separation, min	ASTM D1401	25	25	25	
Copper Corrosion	ASTM D4048	1A	1A	1A	
Rust test A & B	ASTM D665	Passe	Passe	Passe	
Easily biodegradable (significance>60%)		Passe	Passe	Passe	
Biodegradability, %	OECD 301B	>60	>60	>60	
Minimally toxic	OECD 201	Passe	Passe	Passe	
Algae (EC 50), 72 hr, mg/L	OECD 202	>18,000	>18,000	>18,000	
Daphnia (EC 50), 48 hr, mg/L	OECD 203	>11,000	>11,000	>11,000	
Fish (LC 50), 96 hr, mg/L		>23,000	>23,000	>23,000	
Not bioaccumulable (value calculated according to EPA standard)	ASTM D6866	Passe	Passe	Passe	
Organic based content		>78	>78	>78	

The values of the characteristics shown in this table are typical values given for information only.

Packaging: 3.78 L bottle — 18.9 L bucket — 208 L barrel

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KEY ATTRIBUTES / APPROVALS

Bio Engrenage FS oil used in industrial gears for several types of industries. Must be used in equipment where an oil spill can be harmful to the environment and where the authorities require the use of a biodegradable product.

- ▶ Classified as an Environmentally Respectable Product (EAL) according to document of the EPA guide which defines the acceptable standards for environment (EPA 800-R-11-002) and required by EPA 2013 U.S. Vessel General Permit (VGP)
- ▶ Meets AGMA 9005-002 gear specifications industrial.