



GEAR BIO 220

BIODEGRADABLE SYNTHETIC LUBRICANT FOR INDUSTRIAL REDUCERS AND BEARINGS

APPLICATIONS

GEAR BIO 220 is a lubricant for enclosed gear units, having very high extreme-pressure and anti-wear properties. It can be used in:

- Industrial reducers.
- Gearboxes.
- Marine gearboxes and reducers.
- Transmission chains within casings.
- Very slow or intermittent operation bearings lubricated with oil.
- Highly loaded bearings.

BENEFITS

- **GEAR BIO 220** is biodegradable and minimises the effects of pollution on the environment in the event of leaks or accidental releases.
- **GEAR BIO 220** contains no chlorine or lead. It is not corrosive towards bronze.

PERFORMANCES

PERFORMANCE LEVELS | NF ISO 6743-6 L-C KT
DIN 51517 Part 3 CLP

CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
ISO grade	-	-	220
Density at 15°C	kg/m ³	NF T 60-101	944
Kinematic viscosity at 40°C	mm ² /s	NF T 60-100	220.5
Kinematic viscosity at 100°C	mm ² /s	NF T 60-100	28.1
Viscosity index	-	NF T 60-136	178
Flash point	°C	NF T 60-118	280
Pour point	°C	NF T 60-105	-18
Copper corrosion 3 hours at 100°C	-	NF M 07015	1b
4-ball test: welding load	kg	ASTM D 2783	250
4-ball test: indentation diameter	mm	ASTM D 4172	0.26
Foaming Sequence I	ml	NF T 60-129	0/0
Foaming Sequence II	ml	NF T 60-129	0/0
Foaming Sequence III	ml	NF T 60-129	0/0
Biodegradability	%	OECD 301 B	> 70

The typical data provided are only approximate values

HEALTH, SAFETY AND ENVIRONMENT

Disposal must comply with applicable regulations pertaining to the disposal of used oils.

Store in a sheltered area.

Our technical department is available to provide advice if needed.