

**UNIXX INDUSTRIAL GEAR OIL EP 220**

August 25 2017

Product Description

Unifix Industrial Gear Oil EP 220 Heavy Duty is designed for enclosed gear boxes operating under normal or severe service environments. It is formulated with sulfur-phosphorous extreme pressure additives to provide anti-wear and friction reducing performance characteristic to minimize temperature rises in heavily loaded gear boxes.

Features and Benefits:

- High thermal stability EP system helps to maintain clean gear and bearing surfaces thereby minimizing deposits which interfere with effective lubrication.
- High oxidation stability limits viscosity increases during service.
- Effective EP system forms a protective film in areas with metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power.
- Good water separation and effective rust and corrosion inhibitors protect surface from rust and corrosion.
- Excellent oxidation inhibitors and copper passivator minimizes oil oxidation, limits viscosity increases and extends drain intervals.

Applications

Unifix Industrial Gear Oil EP 220 is designed for many types of industrial gears especially where loads and shock loadings are high.

- Spur, bevel, helical, worm and industrial hypoid gear cases
- Reduction gearboxes
- Plain and rolling element bearings
- Enclosed industrial gear drives where an AGMA extreme pressure lubricant is specified
- General industrial plant lubrication where the performance properties of an AGMA extreme pressure lubricant is required

Performance Standards

Unifix Industrial Gear Oil Series meets current AGMA and DIN specifications and performance requirements.

- USS 224, David Brown S1.53.101 (E)
- AGMA 9005-D94
- DIN 51517 Part 3

Typical Properties

Properties	Test Method	Typical Values
Appearance	Visual	Bright & Clear
Density @15C	ASTM D4052	0.8980
Density @30C	ASTM D4052	0.8886
Kinematic Viscosity @40C	ASTM D445	219.7
Kinematic Viscosity @100C	ASTM D445	18.78
Viscosity Index	ASTM D2270	95
ASTM Color	ASTM D1500/D6045	L1.5
Flash Point by COC, C	ASTM D92	244
P Content	ASTM D6481/D4951	0.017
Foaming : Seq.I @24C, Tendency/ Stability	ASTM D892	0/0
Foaming : Seq.II @93.5C, Tendency/ Stability	ASTM D892	0/0
Foaming : Seq.III @24 after 93.5C, Tendency/Stability	ASTM D892	0/0
Pour Point	ASTM D97	-12
Four Ball Weld Point	ASTM D2783	250
FZG 4 Square Gear Test, Load Stage	DIN 51354	12 Pass

Typical physical and chemical characteristics do not constitute as specifications. Contix Asia Pte. Ltd. reserves the right to amend and change the information herein without notification as a result of continual product research and development