

## linelube Synthetic SH220 Gear Oil

### Product Description

Synthetic oil (PAO) for enclosed gears.

### Features & Benefits

- Very high protection (high and low temperatures) from micro-pitting scuffing wear (GFT class: high)
- Excellent extreme-pressure performance: protection against high loads
- Very high natural viscosity index: (shear stable) and low friction coefficient
- Very low pour point: operation at very low temperatures
- Very good resistance to oxidation: operation at high temperatures, and lifetime
- Increased by a factor of 2 to 4
- Compatible with seals and metals containing copper

### Applications

#### Enclosed gears, bearings, gear couplings

linelube Synthetic SH 220 Gear Oil has been developed for enclosed industrial gears to provide optimum gear protection against micropitting and bearing protection against scuffing under very severe conditions.

- Bevel and spur gears
- Heavily loaded bearings and gear couplings.

### Typical Test Data

Parameter	Methods	linelube Synthetic SH220 Gear Oil					
		150	220	320	460	680	1000
Density @ 15°C (kg/m³)	ISO 3675	856.5	859.7	861.7	863.3	864.9	869.5
Kinematic Viscosity @ 40°C (mm²/s)	ISO 3104	147.9	220.1	313.8	454.7	676.0	997.8
Kinematic Viscosity @ 100°C (mm²/s)	ISO 3104	19.4	26.2	34.6	46.0	64.0	85.6
Viscosity Index	ISO 2909	150	152	155	160	165	169
Open Cup Flash Point (°C)	ISO 2592	235	237	233	231	237	229
FZG Micropitting	FIVA 54 IIV	-	10+	10+	10+	10+	10+
FZG A/8.3/90	DIN 51 354/2	> 13	> 13	> 13	> 13	> 13	> 13
Pour Point (°C)	ISO 3016	-36	-36	-30	-24	-21	-18

### Health & Safety

For health and safety information please refer to the relevant health & safety data sheet on our website. The contents of this data sheet is given in good faith but without warranty.

**CAUTION: not compatible with oils based on polyglycols**