

Description

PROTEAN Gear 220 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 220 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits & Features

- Extremely good oxidation stability which extends lubricant life
- Unaffected by water – demulsibility ensures total separation of water from oil
- Adhesive additives coat gears and provide anti-wear protection at start-up
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

For chain applications:

- Penetrates to the links and pins reducing wear and extending chain life
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry
- Extremely wide temperature range ensures maximum application versatility

Directions for Use

For gearboxes and reduction units: Ensure that the gearbox manufacturers' lubricant rating corresponds to using the ISO grade recommended. For optimum performance, drain gearbox of previous lubricant.

For drive and conveyor chains: Apply sparingly by brush or oil can as required. Can also be applied automatically using a central drip feed system.

Technical Data

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| Category: | H1 – Lubricants with incidental contact |
| NSF Registration No: | 162771 |
| Allergens: | Does not contain allergens, genetically modified ingredients, nut oil or derivatives. |
| Appearance: | Clear adhesive oil |
| Base Oil: | Blend of semi-synthetic oils |
| Kinematic Viscosity (ASTM4451): | 220 at 40°C, 19.6 @ 100°C |
| Viscosity Index: | 101 |
| Pour Point: | -15°C |
| Relative Density: | 0.87 |
| Flash Point (COC): | >200°C |
| Demulsibility (ASTM D1401) 30 min: | 40-37-3 |
| Foaming (ASTM D892): | Nil |
| Copper Corrosion (ASTM D130): | 1b |
| FZG Gear Test Stage: | 12 |
| Pour Point °C: | -15 |
| Point Open Cup °C: | +230 |
| Solubility: | Insoluble in water |
| Operating Temperature Range: | -15 to +140°C |
| Pack Sizes: | 5 Ltr (TF9605) 20 Ltr (TF9620) 205 Ltr (TF9699) 1000 Ltr (TF9600) |



The content of this data sheet is given in good faith but without warranty.