

TECHNICAL DATA SHEET PROTEAN CHAIN & GEAR 680 TF5320

Description

PROTEAN Chain & Gear 680 is an NSF: H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains that require an ISO 680 oil within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance. **Halal/Kosher Certified.**

Benefits / features

Chains (Drive and Conveyor)

- · Penetrates to the links and pins reducing wear and extending chain life
- Adhesive additives ensure no fling, thus providing lasting lubrication
- · Effective water resistance and corrosion prevention, even where alkali materials are present
- · Extremely wide temperature range ensures maximum application versatility

Gearboxes & Reduction Units

- · Extremely good oxidation stability which extends lubricant life
- · Unaffected by water, demulsification ensures total separation of water from oil
- · Adhesive additives coat gears effectively and provide anti-wear protection at start-up
- · Synthetic oil with high viscosity index ensures reduced viscosity change with temperature increase

Directions for Use

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

For gear boxes or reduction units: Ensure that the manufacture's lubricant rating corresponds to <u>ISO 680 gear oil</u>. For optimum performance, drain gearbox of all previous lubricant.

Technical Data

Category: H1 – Lubricants with incidental contact

NSF Registration No: 154164

Allergens: Does not contain allergens, genetically modified

ingredients, nut oil or derivatives.

Appearance: Clear tacky oil

Base Oil: Blend of synthetic oils

Viscosity (ASTM 4451): 678cSt @ 40°C

Viscosity Index (ASTM D2270): 136
Relative Density: 0.87
Flash Point: 280°C
Auto Ignition Temp: >200°C

Solubility: Insoluble in water Demulsibility (ASTM D1401): 40-37-3 - 30 min.

FZG Gear Test: 12

Stage Foaming (ASTM D892): Nil after settling sequence 1, 2 & 3

Operating Temperature Range: -30°C to +240°C

Pack Sizes: 5 Ltr (TF5305) 20 Ltr (TF5320) 205 Ltr (TF5399)

1000ltr (TF5300)

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



