

# KYNOS SGO FG

## Gear Oils

KYNOS LUBRICATION PRIVATE LIMITED

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### SGO FG, Synthetic Food Grade Gear Oil

Range of fully synthetic food grade gear oils particularly suited for the lubrication of drive chains, conveyor chains, gearboxes and reduction units. These lubricants are formulated using FDA and NSF-registered hydrocarbon base fluids and advanced additives. Their naturally high viscosity index, combined with a proprietary additive system, ensures exceptional performance across a wide range of applications.

SGO FG is designed to provide excellent lubrication and protection for gears, bearings, and other moving parts while ensuring compliance with strict food safety regulations. This gear oil combines the advantages of synthetic base oils with food-grade additives to deliver superior performance and safety in applications where incidental food contact may occur.

### Applications

- Ideal for gear systems in food manufacturing equipment, packaging machinery, and bottling lines where food safety is critical.
- Suitable for use in pharmaceutical manufacturing equipment that requires strict adherence to hygiene standards
- For gearboxes and reduction units and drive and conveyor chains. For optimum performance, drain gearbox of previous lubricants.

### Performance Level

- DIN 51517-3, NSF-H1
- DIN 51524-2
- IS 12656:1989, IS 8406:1993
- BIS Compliance & NSF-H1

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### Typical Performance Data

| Properties                             | Test Method  | SGO FG |       |       |       |       |
|--|--------------|--------|-------|-------|-------|-------|
|  |              | 100    | 150   | 220   | 320   | 460   |
| Viscosity Index                        | ASTM D-2270  | >140   | >140  | >140  | >140  | >140  |
| Viscosity @ 40 °C, mm <sup>2</sup> /s  | ASTM D-445   | 100    | 160   | 220   | 310   | 456   |
| Viscosity @ 100 °C, mm <sup>2</sup> /s | ASTM D-445   | 14.3   | 19    | 24    | 33    | 43    |
| Flash Point, °C Minimum                | ASTM D-92    | > 260  | > 260 | > 260 | > 260 | > 260 |
| Pour Point, °C Max                     | ASTM D-97    | < -45  | < -20 | < -23 | < -43 | < -42 |
| Density, g/ml                          | ASTM D-1298  | 0.839  | 0.843 | 0.843 | 0.854 | 0.856 |
| FZG stage                              | ASTM D- 5182 | 12+    | 12+   | 12+   | 12+   | 12+   |
| Rust Characteristics                   | ASTM D-665   | Pass   | Pass  | Pass  | Pass  | Pass  |
| Copper Strip Corrosion, 3 hrs @ 100 °C | ASTM D-130   | 1a     | 1a    | 1b    | 1b    | 1b    |

\*All performance data on this Technical Data Sheet are indicative only and may vary during production.

All Ingredients are FDA listed ingredients under 21 CFR 178.3570 and complies the requirement of NSF H1 and meet the USFDA 1998 H1 Guidelines.

These products do not contain genetically modified ingredients, and nut oil or derivatives. The product is non-hazardous.