

## FRAGOL GEAR WCE 150 FG

FRAGOL GEAR WCE 150 FG is an ISO VG 150 gear lubricant based on a mixture of white oils which utilises latest available additive technology providing outstanding extreme pressure characteristics and loadcarrying properties required in gear systems for the food-, feed- and pharmaceutical industries.

FRAGOL GEAR WCE 150 FG meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

### APPLICATIONS

- Gear sets (excluding heavily loaded worm gears)
- Chains running at moderate temperatures
- Agitators and Mixers
- Extruders
- Pulpers
- Presses
- Non-gear applications, e.g. high loaded bearings, shaft couplings, etc.

### BENEFITS

- Excellent wear protection
- Good corrosion inhibition
- Good water separation
- Good shear stability
- Good air release properties
- No deposit/lacquer formation

### TYPICAL CHARACTERISTICS

| FRAGOL GEAR WCE 150 FG              | Value                | Unit               | Method       |
|-------------------------------------|----------------------|--------------------|--------------|
| <b>Appearance</b>                   | clear, yellow liquid | -                  | visual       |
| <b>Viscosity @ 40 °C</b>            | 142.2                | mm <sup>2</sup> /s | ASTM D-445   |
| <b>Viscosity @ 100 °C</b>           | 15.47                | mm <sup>2</sup> /s | ASTM D-445   |
| <b>VI</b>                           | 112                  | -                  | ASTM D-2270  |
| <b>Density @ 15.6 °C</b>            | 0.868                | kg/l               | ASTM D-1298  |
| <b>Total acid number</b>            | 0.76                 | mg KOH/g           | ASTM D-664   |
| <b>Flash point (COC)</b>            | 240                  | °C                 | ASTM D-92    |
| <b>Pour point</b>                   | -21                  | °C                 | ASTM D-5950  |
| <b>Copper corrosion</b>             | 1a                   | -                  | ASTM D-130   |
| <b>Steel corrosion</b>              | pass                 | -                  | ASTM D-665 B |
| <b>Demulsibility @ 82 °C</b>        | 7                    | min.               | ASTM D-1401  |
| <b>FBW @ 40kg/1Hr/75 °C/1200rpm</b> | 0.34                 | mm                 | ASTM D-4172  |
| <b>Welding load</b>                 | 160                  | kg                 | ASTM D-2783  |

### SPECIFICATIONS

FRAGOL GEAR WCE 150 FG meets or exceeds the requirements of the following specifications:

ISO 12925-1 CKB  
ISO-L-CKB (according to ISO 6743-6)

### COMPATIBILITY

FRAGOL GEAR WCE 150 FG is compatible with commonly used seals, gaskets, hoses and paints. There are no special requirements when replacing PAO or other mineral-based lubricants. Flushing is recommended to remove remaining residues.