

## FM 3000/460

### Synthetic lubricating oil; NSF registered

#### Product description

FM 3000/460 synthetic oil is an extreme pressure capable food machinery lubricating fluid based on synthetic hydrocarbons (PAO) for providing high performance under severe operating conditions.

Formulated with a selected blend of premium grade additives for high load carrying, high temperature oxidation and corrosion protection, this oil is designed for maximum performance under the most demanding operating conditions.

High degree of thermal & oxidation stability allows for extended lubrication, increase in re-lubrication intervals and reduction in lubricant costs.

Meet requirements of NSF H1 (lubricants with incidental food contact) and contain ingredients permitted under FDA 21 CFR 178.3570 H1

#### Features & benefits

- NSF H1 Registration Certificate # 158632
- Reduces wear and protects gear teeth from micro pitting
- Improves efficiency and energy saving by way of lesser power consumption
- Excellent extreme pressure protection
- Outstanding thermal and oxidative stability
- Reduces lubricant consumption
- Prolongs oil change intervals and extended drains
- Possesses high shear stability
- Increases service life of equipment
- Reduces maintenance costs and downtime
- Low foaming tendencies
- Compatible with all commonly used elastomers, gaskets and sealing materials

#### Applications

- Food processing (H-1)
- Hydraulic systems
- Poultry processing
- Meat processing
- Breweries
- Pharmaceutical manufacturing machinery
- Lubrication of enclosed gears, chains, joints, guides, conveyors, roller bearings, valves

#### How to use

Use as supplied. Never dilute or mix with other oils or grease.

Can be applied by immersion, immersion circulation and injection. Use as per instructions laid down in manufacturers manual. Replace cap after use.

| Test  | Unit               | Result                      | Standard    |
|---|--------------------|-----------------------------|-------------|
| Appearance  |                    | Clear oily liquid           | Visual      |
| Colour  |                    | Light, nearly water white   | Visual      |
| Base  |                    | Synthetic hydrocarbon (PAO) | In house    |
| Viscosity @ 40°C  | mm <sup>2</sup> /s | ~460                        | ASTM D-445  |
| Viscosity @ 100°C                                       | mm <sup>2</sup> /s | ~47                         | ASTM D-445  |
| Viscosity index   |                    | >150                        | ASTM D-2270 |
| ISO VG grade  |                    | 460                         |             |
| Density, 20°C   | g/cm <sup>3</sup>  | 0.86                        | ASTM D-1298 |
| Flash point   | °C                 | >200                        | ASTM D-92   |
| Pour point  | °C                 | -30                         | ASTM D-97   |
| Copper strip corrosion test                             | rating             | 1a                          | ASTM D-130  |
| Lower working limit                                     | °C                 | -30                         |             |
| Upper working limit                                     | °C                 | 120                         |             |
| Four ball weld load                                     | N                  | ND                          |             |
| Soluble in water  |                    | No                          |             |
| NSF category code                                       |                    | H1                          |             |
| NSF registration number                                 |                    | 158632                      |             |
| Shelf life from manufacturing month, unopened container | Months             | 60                          |             |

## General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

## Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards.

Manufactured by:  
ASV Multichemie Private Limited  
E 14, Additional MIDC, Patalganga  
Panvel-410 220 INDIA



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## Disposal

All used and unused product should be disposed of in accordance with state regulations.

## Limited warranty

Product manufactured is for industrial use only. The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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