# BARREL VAC FG Series
（Vacuum pump oils for food machinery）

BARREL VAC FG series are vacuum pump oils for food machinery formulated with approved raw materials by FDA(Food and Drug Administration) and NSF(National Sanitation Foundation). BARREL VAC FG series are based on a careful blend of highly refined mineral oil, polyalphaolefin and selected additives chosen for their ability to meet the stringent requirements of the food and beverage industry.

## 1. Features
 (1) NSF H1-registered supporting process reliability.
 (2) Excellent oxidation and thermal stability.
 (3) Excellent water separation property.
 (4) Lower oil consumption.

## 2. Applications
　BARREL VAC FG series are recommended for use in vacuum pumps within food and beverage processing and packing industry.

## 3. Typical properties

| Property | | BARREL VAC | |
|---|---|---|---|
| | | FG-68 | FG-100AH |
| NSF Registration No. | | 134934 | 159939 |
| Category Code | | H1 | H1 |
| Density 15°C | g/cm$^3$ | 0.848 | 0.847 |
| Flash Point (COC) | °C | 262 | 264 |
| Pour Point | °C | -15.0 | -20.0 |
| Kinematic Viscosity 40°C | mm$^2$/s | 68.0 | 100 |
| Kinematic Viscosity 100°C | mm$^2$/s | 10.6 | 14.8 |
| Viscosity Index | | 144 | 154 |
| Acid Number | mgKOH/g | 0.20 | 0.20 |
| Copper Strip Corrosion 100°C,3h | | 1 | 1 |
| Water Separability 54°C | ml(min) | 40-40-0(10) | 40-40-0(10)* |
| Color (ASTM) | | L0.5 | L0.5 |
| Base Oil | | Highly refined mineral oil／PAO | Highly refined mineral oil／PAO |

＊：82°C

(2024.08)