

## RECOMPOUND FL SERIES

### HIGH PERFORMANCE INDUSTRIAL GEAR OILS

#### PRODUCT DESCRIPTION

The RECOMPOUND FL series are high-performance gear and circulation oils that were formulated with high-quality mineral base oils and high-tech additives. They are designed to ensure optimal equipment protection and oil life.

RECOMPOUND FL SERIES products contain EP, anti-foam, anti-wear and antioxidant additives.

RECOMPOUND FL SERIES products provide superior protection against corrosion compared to traditional gear oils. They are compatible with steel and non-ferrous metals even at high temperatures.

#### APPLICATION / USAGE

RECOMPOUND FL SERIES oils are gear oils that have higher quality additives compared to standard gear oils. They are particularly recommended for wear on gears with micropitting. They can be used in bearings, worm gears, spur and bevel gears in the cement and iron and steel industries, in cranes, conveyor belts, wind turbines, plastic drawing machines as well as in the paper, petroleum and textile industries.

#### ADVANTAGES / BENEFITS

- Prevent micro-pitting wear
- Contain special additives to prevent deposits and foam formation
- Very good wear protection properties thanks to AW and EP additives
- High corrosion protection on steel and non-ferrous metals
- Good aging resistance
- Zinc and ash free
- Good demulsification behavior

#### SPECIFICATIONS/APPROVALS

AGMA 9005-E04  
AGMA 250.04  
AGMA 9005-D94  
US STEEL 224  
DAVID BROWN S.53  
DIN 51517 Part 3  
FLENDER

#### STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature should be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

00.2022.01.01



## RECOMPOUND FL SERIES

### HIGH PERFORMANCE INDUSTRIAL GEAR OILS

| TECHNICAL PROPERTIES                             | TEST VALUES |       |      |      |      |      |       | TEST METHOD  |
|--|-------------|-------|------|------|------|------|-------|--------------|
|  | 68          | 100   | 150  | 220  | 320  | 460  | 680   |              |
| Density (20°C, g/cm <sup>3</sup> )               | 0,885       | 0,895 | 0,90 | 0,90 | 0,90 | 0,91 | 0,918 | ASTM D 1298  |
| Kinematic Viscosity (40°C, cSt )                 | 68          | 100   | 150  | 220  | 320  | 460  | 680   | ASTM D 445   |
| Kinematic Viscosity (100°C, cSt )                | 8,65        | 11,2  | 14,8 | 18,9 | 24.1 | 30.6 | 38.0  | ASTM D 445   |
| Viscosity Index                                  | 95          | 92    | 92   | 90   | 90   | 95   | 92    | ASTM D 2270  |
| Flash Point (°C)                                 | 230         | 240   | 245  | 250  | 250  | 260  | 270   | ASTM D 92    |
| Pour Point (°C)                                  | -30         | -24   | -24  | -18  | -12  | -9   | -9    | ASTM D 97    |
| Copper Corrosion (3 h,100°C)                     | 1a          | 1a    | 1a   | 1a   | 1a   | 1a   | 1a    | ASTM D 130   |
| Foaming Tendency/Stability<br>(2.kd, 93,5°C, mL) | 50/0        | 50/0  | 50/0 | 50/0 | 50/0 | 50/0 | 50/0  | ASTM D 892   |
| Welding Load (kg)                                | 200         | 200   | 200  | 200  | 200  | 200  | 200   | ASTM D2783   |
| Corrosion Test                                   | Pass        |       |      |      |      |      |       | ASTM D 665 B |
| Water Separability                               | 40/37/3     |       |      |      |      |      |       | ASTM D 1401  |

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

00.2022.01.01

