

## DISCRIPTION

**CIRCULATING LIFE PLUS Zinc Free** is a premium-quality, ashless lubricant designed to provide efficient lubrication, cooling, and protection for industrial circulation systems where zinc-free formulations are required. It ensures excellent cleanliness, long service life, and reliable equipment performance.

**CIRCULATING LIFE PLUS** is formulated using high-quality base oils and advanced ashless (zinc-free) additive technology to deliver outstanding oxidation stability, rust and corrosion protection, and superior water separation properties. The zinc-free formulation helps prevent deposit formation and minimizes the risk of staining or catalyst poisoning, making it ideal for sensitive systems. These oils provide excellent film strength and thermal stability, ensuring reliable lubrication in both lightly and moderately loaded systems. Their strong demulsibility allows rapid water separation, while anti-foam characteristics maintain consistent lubrication even under high-speed and high-volume circulation.

## APPLICATION

**CIRCULATING LIFE PLUS** is recommended for use in

- Industrial circulating systems
- Plain and rolling element bearings
- Lightly loaded gearboxes
- Hydraulic systems requiring zinc-free (ashless) oils
- Paper, textile, and steel industry machinery
- Turbines and vacuum pumps
- Compressors (light-duty, where zinc-free oil is required)
- Systems with silver or sensitive metal components

## BENEFITS

- **Zinc-Free (Ashless Formulation)**

Prevents ash deposits and protects sensitive components

- **Excellent Oxidation Stability**

Extends oil life and reduces sludge formation

- **Superior Rust and Corrosion Protection**

Ensures long equipment life even in humid conditions

- **Outstanding Demulsibility**

Rapid water separation for efficient system operation

- **Low Foaming Tendency**

Maintains consistent lubrication under circulation

- **Low Foaming Tendency**

Performs reliably at elevated operating temperatures

- **Improved System Cleanliness**

Minimizes deposits and varnish formation

## PRODUCT DATA SHEET



### MEETS REQUIREMENTS:

- DIN 51517 Part 1 (Type C)
- ISO 11158 HL
- ASTM D6158 (R&O)

### AVAILABILITY

ISO VG 100 , 150 , 220 , 320 , 460 and 680

**Packaging:** 1Q,1L,4Q, 4L,5Q, 5L, 18L, 20L, 25L, Drums, IBC.

### Specification

| Test Parameter    | Units              | Test Limits | Test Method  |
|-------------------|--------------------|-------------|--------------|
| ISO VG            |                    | 100         | -            |
| Appearance        | -                  | C&B         | Visual       |
| Density @ 15°C    | g/cm <sup>3</sup>  | 0.865       | ASTM D-4052  |
| Viscosity @ 40°C  | mm <sup>2</sup> /s | 90-110      | ASTM D-445   |
| Viscosity @ 100°C | mm <sup>2</sup> /s | 11          | ASTM D-445   |
| Viscosity Index   | -                  | 105         | ASTM D- 2270 |
| Flash Point(COC)  | °C                 | 220         | ASTM D-92    |
| Pour Point        | °C                 | -18         | ASTM D-97    |
| CODE              |                    | 807/1       |              |