

**UNP AH502C** is an ashless hydraulic oil compound additive that demonstrates outstanding performance in anti-wear, anti-rust, and antioxidant properties, with high load-carrying capacity. It can be used to formulate high-performance anti-wear hydraulic oils and compressor oils with anti-wear characteristics.

## **TYPICAL PROPERTIES**

| Test Item                           | Typical Data                 | Method            |
|-------------------------------------|------------------------------|-------------------|
| Appearance                          | Red-brown transparent liquid | -                 |
| Density, 20°C, g/cm <sup>3</sup>    | 0.97                         | GB/T 1884-2000    |
| Flash point, COC, °C                | 166                          | GB/T 3536-2008    |
| Viscosity, 40°C, mm <sup>2</sup> /s | 66                           | GB/T 265-1988     |
| Sulfur, wt, %                       | 6.3                          | NB/SH/T 0824-2010 |
| Phosphorus, wt, %                   | 1.2                          | NB/SH/T 0824-2010 |
| Nitrogen, wt, %                     | 3.0                          | NB/SH/T 0224-1992 |

*Note: The above analytical data are not specifications.*

## **PERFORMANCE CHARACTERISTICS**

- Exceptionally high oxidative stability, which prolongs the pumps' service life
- Exhibits good desulfurization capability
- Good filterability with excellent thermal stability and hydrolytic stability
- Fluid with anti-wear performance comparable to high-quality mineral oils and PAO/PAO-ester blends, suitable for use in compressors
- Provides effective corrosion protection for both ferrous and non-ferrous metals, coupled with outstanding air release properties and demulsibility

## **APPLICATION**

- General antiwear hydraulic oil and compressor oil

## **Compliance Standards**

- AFNOR NF E 48-603 (HM, HV)
- DIN 51 524 Part 2 and 3 (HLP, HVLP)
- Eaton Vickers I-286-S (V-104 C)
- Cincinnati Machine P-68, P-70, P-69

## **USAGE METHOD**

- Soluble in mineral oil and synthetic base oil. Before adding, it is necessary to consider its solubility in the base oil and its compatibility with other additives.
- Recommended dosage is 0.45-0.6 by weight.

## **PACKAGING AND STORAGE**

|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Packaging</b>          | 50kg or 200kg / Steel drum (Net weight)                                                                           |
| <b>Storage conditions</b> | Store in a cool, dry and well-ventilated warehouse for approximately 18 months. No special protection is required |

## **HANDLING INFORMATION**

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on **UNPAH502C**.

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