

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 ³	0.987	GB/T 1884-2000
Flash point, COC, °C	166	GB/T 3536-2008
Viscosity, 40°C, mm ² /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, %	3.2	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

Packaging	50kg or 200kg / Steel drum (Net weight)
Storage conditions	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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