

UNP IG402A is an ashless additive package for industrial gear oils. It's also can be used for high performance EP grease. Additional additives are not needed for grease due to the balanced combination of EP/AW, oxidation and corrosion inhibiting additives.

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Light brown clear liquid	-
Density, 20°C, g/cm ³	0.95	GB/T 1884-2000
Flash point, COC, °C	117	GB/T 3536-2008
Viscosity, 40°C, mm ² /s	12.6	GB/T 265-1988
Sulfur, wt, %	26	NB/SH/T 0824-2010
Phosphorus, wt, %	0.47	NB/SH/T 0824-2010
Nitrogen, wt, %	0.8	NB/SH/T 0224-1992

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Excellent EP performance: with 1.8% dosage by weight can easily exceed 60lbs(27.2Kg) value for Timken OK load test
- Outstanding anti-wear, anti-oxidation and anti-rust properties
- Good corrosion protection of steel and non-ferrous metals
- Outstanding load-carrying capacity. 1.8% dosage can achieve above grade 12 for FZG test (A8.3/90°C)
- Good solubility performance in wide range of base stocks including hydro-treated solvent

APPLICATION

- High performance ashless Industry gear oils

Compliance Standards

- GB 5903-2011
- U.S. Steel 224, 223, 222
- SEB 181 226
- DIN 51517, Part 3(CLP)
- AGMA 250.04(EP Gear oils)
- AGMA 9005-D94(EP Gear oils)

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 1.8-2.0% by weight. Typical treat rate is 1.8% to meet U.S. Steel 224
- Typical dosage is 2-4% by weight for grease applications

PACKAGING AND STORAGE

Packaging	50kg or 200kg / Steel drum (Net weight)
Storage conditions	Store in a cool, dry and well-ventilated warehouse for approximately 24 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 **UNPIG402A**.

Luoyang United Pacific Petrochemical Co., Ltd. (UNPChemicals) hopes that the information provided will be helpful to you. The information provided in this document has been prepared by technicians and is true and accurate as of the date of this document. However, please note that the conditions of your use and application of our products, technical assistance and information (whether orally, in writing or through product evaluation), including any suggested formulations and recommendations, are outside our control. UNPChemicals makes no representations, warranties or warranties (whether express, implied, statutory or otherwise), or implied warranties as to the completeness, accuracy or timeliness of any information. It is therefore important that you test our products, technical assistance and information, including how they are packaged, to determine their performance, efficacy and safety. You are solely responsible for the performance, efficacy and safety of any products you produce. UNPChemicals assumes no liability and you bear all risks and liabilities for any use or handling of any material. Nothing in this document should be interpreted as suggesting the use of any product that conflicts with the patent covering any material or its use. No license is implied or granted under the claims of any patent. We will provide consistent quality products within our sales conditions.