PRODUCT DATA SHEET

ENEOS Middle East & Africa FZE
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ENEOS HYDRAULIC 46

HIGH PERFORMANCE HYDRAULIC OIL

Material Code: EMA2001

ENEOS HYDRAULIC 46 is high performance anti-wear hydraulic oil developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service. This oil is formulated with high quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust & corrosion and wear. Reduces pumping wear to minimum and therefore ensures extra-long equipment life. Also possesses superior foam control, water separation and rapid air release properties.

❖ SPECIAL FEATURES.

1. Exceptional anti-wear property results in longer pump & component life & reduces cost.
2. Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life.
3. Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
4. Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
5. Rapid air release property minimises chances of pump cavitation leading to trouble free operation.
6. Compatible with multi-metals and sealing materials commonly used in hydraulic system.

❖ PACK SIZE.

20L, 208L

❖ PERFORMANCE LEVEL

DIN 51524 Part 2- HLP
AFNOR NFE 48-603 (HM), ISO 11158 HM
Eaton (Vickers) M-2950-S, M-2952-S, I-286-S
Bosch Rexroth 07 075 for vane, Piston & Gear Pumps, Sauer Danfoss 520L0463
MAG IAS, LLC P-69
Denison HF-0, HF-1, HF-2

❖ APPLICATIONS.

- Hydraulic system operating under moderate to severe conditions in mobile and industrial service
- Older hydraulic system where leakage is a problem and cost-effective hydraulic oil providing all-round protection is required.
- Mobile hydraulic fluid power transmission system and general machine lubrication.

❖ TYPICAL PROPERTIES.

IS0 Viscosity Grade	**46**
Density (15°C), g/cm³	**0.874**
Flash Point (COC), °C	**210**
Kinematic Viscosity (40°C), mm²/s	**45.9**
Viscosity Index	**100**
Pour Point, °C	**-24**

Note: The Typical Properties may be changed without notice.

Handling Precautions

▼ **Follow these precautions when handling this product.**

Classification of the substance or preparation :	Not a dangerous preparation according to 1999/45/EC.
Most important adverse :	No adverse hazards.
Most important adverse human health effects :	None under normal conditions.
Precautionary Statements : Prevention	No naked lights. No smoking. Keep away from sources of ignition. Handle in accordance with good industrial hygiene and safety procedures.
Response	After inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists. After contact with skin : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops. After contact with eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops. After ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately. Other Information : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.
Storage	Keep container closed when not in use. Keep at temperature not exceeding 45°C. Keep only in the original container in a cool, well ventilated place.
Disposal	Waste disposal : S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets. Dispose in a safe manner in accordance with local/national regulations. Waste-disposal procedures : See Directive 2001/118/EC Industrial waste number (EURAL) : 13 02 05 - mineral-based non-chlorinated engine, gear and lubricating oils. Contaminated packaging : Do not attempt to refill or clean containers without proper instructions. Do not cut , pressurise, weld, braze, solder, drill, grind or expose such containers to the heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.