

# NICO Synthetic Hydraulic Oils AW 32/46/68



## APPLICATIONS

### Hydraulic circuits

Nico Synthetic Hydraulic Oils AW are designed for use in mobile and stationary hydraulic vane-, piston-, and gear-type pumps. The anti-wear performance of Nico Synthetic Hydraulic Oil AW make them especially suited for high performance industrial applications utilizing axial piston pumps where pressure may exceed 5000 psi.

Nico Synthetic Hydraulic Oil AW may be well suited for applications in environmentally sensitive areas due to the zinc-free formulation. Nico Synthetic Hydraulic Oils AW are not compatible with zinc/calcium containing fluids, and OEM recommended lubricant change-out procedures including drain and flush requirements need to be adhered to.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

## Performance Standers

- DIN 51524-3 (HVLP, 2006, Part 3)
- ISO 11158 L-HV
- ASTM D6158, HV
- Eaton Vickers 35VQ25A, M-2950-S, I-286-S
- Cincinnati Machine P-68 (ISO 32), P-70 (ISO 46), P-69 (ISO 68)
- Bosch-Rexroth former specification RE 90220-01
- Vestas 0000-2843 (ISO 32)
- Frank Mohn, Framo hydraulic cargo pumping (ISO 46)
- Arburg (ISO 46)
- Krauss Maffei Kunststofftechnik (ISO 46)

## ADVANTAGES

- Customer benefits
  - Premium performance
  - Long service life
- Excellent wear protection at start up
- Hydraulic system efficiency
- Excellent low temperature pumpability
- Zinc-free/Ashless

NICO SYNTHETIC HYDRAULIC OILS AW	RESULT		
ISO Grade	32	46	68
Product Code	520365	520366	520367
Flash Point, °C	228	230	218
Pour Point , °C	-48	-42	-45
Viscosity (typical),			
mm <sup>2</sup> /s @ 40°C	32.5	46.5	68.0
mm <sup>2</sup> /s @ 100°C	7.0	9.3	11.4
Viscosity Index	186	186	162
Oxidation Stability – TOST ASTM D943,			
Hours to 2.0 mg KOH/g acid number	>10,000	>10,000	>10,000