

# NATIONAL Hydraulic Oil AW

NATIONAL Hydraulic Oil AW series is designed for hydraulic machinery to deliver consistent performance across wide operating conditions. It is formulated with high performance base oil and satisfies the latest demands for hydraulic equipment and OEM requirements.

## Benefits

- Balanced anti-wear chemistry minimizes wear and tear, safeguarding components and enhancing equipment lifespan.
- Excellent oxidation stability helps to extend the oil drain interval.
- Built-in rust and corrosion inhibitors protect critical internal machinery components.

## Meets/Exceeds

- DIN 51524 Part 2 (HLP)
- ISO 11158 HM
- ASTM D6158 Type HM

## Applications

- Stationary and mobile hydraulic equipment.
- Industrial hydraulic equipment in agriculture, construction, road, mining, and other manufacturing sectors.
- As a circulation oil for all moderately loaded gears and bearings.
- Recommended for hydraulic applications in industrial machinery, such as lathes, milling machines, etc.

## Product Characteristics

Properties	Test Method	Unit	ISO VG 46	ISO VG 68	ISO VG 100
Colour	ASTM D1500	-	L0.5	L0.5	L2.0
Density @ 15 °C	ASTM D4052	kg/L	0.8661	0.8701	0.8729
Kinematic Viscosity at 100 °C	ASTM D445	cSt	47.1	69.4	100.1
Viscosity Index	ASTM D2270	-	106	105	103
Flash Point, COC	ASTM D92	°C	236	244	248
Pour Point	ASTM D97	°C	-24	-24	-21
<i>Product Code</i>			<i>272042</i>	<i>500042</i>	<i>513042</i>

- Information, test methods, figures are typical and conform to specification; minor variation may occur.
- Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and builder approval requirements.
- Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.

