



# Allied AW Zinc Free Hydraulic Oil

*Specifically formulated for superior protection in a wide range of industrial applications that require extra protection against oxidation, rust and corrosion.*

Specific lubricant grades utilizes 100% virgin high viscosity index paraffinic base oils blended with higher virgin viscosity solvent neutral oils and virgin heavy bright stocks to provide the stable finished viscosity needed for each application.

**Allied AW Zinc Free Hydraulic Oils** provide superior thermal and oxidative stability to prevent formation of harmful deposits and have outstanding low and high temperature properties. They have excellent solubility characteristics and help keep the system clean and void of free water.

They contain a high-level treat of the rigorously tested and field proven rust and corrosion inhibitor additive system to provide unsurpassed protection against rust, corrosion and wear. They contain anti-foam agents to ensure smooth operation and continuous lubrication.

All Allied products are formulated to meet, or exceed, all relevant industry standards. The chart below highlights the key protection and performance features and benefits provided by our **Allied MEGA Industrial Zinc Free R&O Hydraulic Oil**.

## FEATURES

High virgin viscosity base oils blended with virgin heavy stocks exhibiting excellent solubility

Utilizes newest, most advanced, rust and corrosion inhibitor and anti-oxidants additive system

## BENEFITS

- Superior thermal and oxidative stability to prevent deposit formation and fluid thickening
- Maintains proper oil flow and viscosity for outstanding wear protection, especially under severe operating conditions
- Excellent demulsibility to prevent rust and corrosion
- Unsurpassed protection against rust and corrosion in a wide variety of applications
- Anti-oxidation for clean systems and long fluid life
- Excellent anti-foam properties to ensure smooth operation and continuous lubrication



To find out more about our products and services, contact us at: (402) 344-4343 or visit [www.alliedoil.com](http://www.alliedoil.com)



# Allied AW Zinc Free Hydraulic Oil

Allied AW Zinc Free Hydraulic Oils are recommended for industrial hydraulic, turbine, and compressor systems, as well as electric motors, vacuum pumps and gear boxes requiring the following performance levels:

- Cincinnati Milacron P-68, P-54, P-55 and P-57
- Westinghouse I.L. 1800-465-G
- Denison HF-1
- DIN 51524, Part 1
- AFNOR E-48600 HL
- MIL-L-17672C
- U.S. Steel 126
- Brown Boveri 32 and 46
- British Standard 489
- Elliott
- Aramco

## Typical Properties:

PROPERTY	METHOD	ISO 32	ISO 46	ISO 68
Gravity, °API	ASTM D287	32.63	32.65	30.81
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8621	0.862	0.8718
Viscosity @ 40°C cSt	ASTM D445	32.38	46.65	68.92
Viscosity @ 100°C cSt	ASTM D445	5.565	6.96	8.89
Viscosity Index	ASTM D2270	109	106	102
Pour Point °C (°F)	ASTM D5950	-33°C (-28°F)	-33°C (-28°F)	-33°C (-28°F)
Color	ASTM D 1500	0.5	0.5	0.5
Phosphorus, wt. %	ASTM D 5185	0.003	0.003	0.003
Sulfur, wt. %	ASTM D 4951	0.011	0.011	0.011
Sulfated Ash, wt. %	ASTM D 874	0	0	0
Nitrogen, wt. %	ASTM D 4629	0.0164	0.0164	0.0164

CLAIMS INFORMATION	ISO 32	ISO 46	ISO 68
	Cincinnati Machine/ Milacron P-38 Denison HF-1 DIN 51524, Part 1 Alstom HTGD 90117 General Electric GEK-32568F, GEK107395 Solar Turbines ES 9-224 DIN 51515 U#S# Steel 126 MIL-L-17672C AFNOR E-48600 HL British Standard 489	Cincinnati Machine/ Milacron P-55 Denison HF-1 DIN 51524, Part 1 Alstom HTGD 90117 General Electric GEK-32568F, GEK107395 Solar Turbines ES 9-224 DIN 51515 U#S# Steel 126 MIL-L-17672C AFNOR E-48600 HL British Standard 489	Cincinnati Machine/ Milacron P-54 Denison HF-1 DIN 51524, Part 1 Alstom HTGD 90117 General Electric, GEK-32568F GEK107395 Solar Turbines ES 9-224 DIN 51515 U#S# Steel 126 MIL-L-17672C AFNOR E-48600 HL British Standard 489

**ALWAYS CONSULT OWNERS MANUAL  
FOR CORRECT VISCOSITY GRADE**

Due to our goal of continuous improvement and commitment to keep pace with changing requirements, the information contained in this product sheet is subject to formulation changes without notification. Check with your Allied sales representative to make sure you have the most up-to-date product sheet. The version to reference is located in the right hand corner of this product sheet.

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**JOPLIN, MO** • I-44 & Hwy 43 • (417) 623-4771  
**SIOUX FALLS, SD** • I-90, Exit 402 • (605) 332-3352  
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