



Allied MEGA Industrial AW Hydraulic Oil

Allied MEGA Industrial AW Hydraulic Oils are specially formulated for the most severe and highest precision hydraulic applications.

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 AW Hydraulic Oil**.

Allied MEGA Industrial AW Hydraulic Oils utilize 100% virgin API Group II hydrocracked (HC), paraffinic base stocks. These water white, pure base stocks have excellent demulsibility to prevent rust and corrosion, superior thermal and oxidative stability to prevent formation of harmful deposits, high dielectric strength and outstanding low and high temperature properties. They also contain specially designed, technologically advanced, rigorously tested and field proven additive system. They provide superior wear protection, excellent deposit control, reduced starting friction, outstanding protection against viscosity and thermal breakdown, and improved fuel economy.

FEATURES

Utilizes 100% virgin API Group II hydrocracked base stocks

Utilizes a high-level of advanced, anti-wear hydraulic additive system

BENEFITS

- Far superior thermal and oxidative stability to prevent deposit formation and fluid thickening
- Improved high and low temperature properties maintain proper oil flow and viscosity for outstanding wear protection
- Excellent demulsibility to prevent rust and corrosion
- Naturally high dielectric strength
- Excellent protection against wear, especially under severe operating conditions, to ensure long equipment life
- Excellent anti-foam properties for smooth operation, continuous lubrication, and no power loss
- Meets the requirements of virtually all hydraulic systems



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



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Allied MEGA Industrial AW Hydraulic Oils are recommended for high-speed, high-pressure hydraulic systems, as well as machine tools and robotics. They exceed requirements for all major equipment manufacturers, including:

- Cincinnati Milacron P-68, P-69 and P-70
- Denison HF-0
- DIN 51524, Part 2
- U.S. Steel 127, 136
- Bosch Rexroth
- SAE MS1004
- JCMAS HK
- GM LS-2
- Vickers M-2950-S and I-286-S

Typical Properties:

PROPERTY	METHOD	AW ISO 22	AW ISO 32	AW ISO 46	AW ISO 68	AW ISO 100	AW ISO 150	AW ISO 220
Gravity, °API	ASTM D287	33.5	32.44	31.46	30.71	30.12	27.99	28.13
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8576	0.8631	0.8683	0.8723	0.8755	0.8872	0.8864
Viscosity @ 40°C cSt	ASTM D445	21.82	32.11	46.03	69.25	99.86	15.95	230.7
Viscosity @ 100°C cSt	ASTM D445	4.36	5.55	6.95	8.95	11.31	159.8	19.51
Viscosity Index	ASTM D2270	107	110	105	103	99	103	96
Pour Point °C (°F)	ASTM D5950	-36°C (-33°F)	-33°C (-28°F)	-33°C (-28°F)	-30°C (-22°F)	-30°C (-22°F)	-24°C (-11°F)	-21°C (-6°F)
Oxidation Hours	ASTM D943	5000	5000	5000	5000	5000	-	-
Color	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	3	3
Zinc, wt. %	ASTM D 5185	0.041	0.041	0.041	0.041	0.041	0.041	0.041
Phosphorus, wt. %	ASTM D 5185	0.033	0.033	0.033	0.033	0.033	0.033	0.033
Calcium, wt. %	ASTM D 5185	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Sulfur, wt. %	ASTM D 4951	0.065	0.065	0.065	0.065	0.065	0.065	0.065

CLAIMS INFORMATION	AW ISO 22	AW ISO 32	AW ISO 46	AW ISO 68	AW ISO 100	AW ISO 150	AW ISO 220
	Denison HF-0	Cincinnati Machine/ Milacron P-68	Cincinnati Machine/ Milacron P-70	Cincinnati Machine/ Milacron P-69	Denison HF-0	Denison HF-0	Denison HF-0
	Denison HF-1	Denison HF-0	Denison HF-0	Denison HF-0	Denison HF-1	Denison HF-1	Denison HF-1
	Denison HF-2	Denison HF-1	Denison HF-1	Denison HF-1	Denison HF-2	Denison HF-2	Denison HF-2
	Vickers I-286-S	Denison HF-2	Denison HF-2	Denison HF-2	Vickers I-286-S	Vickers I-286-S	Vickers I-286-S
	US Steel 127, 136	Vickers I-286-S	Vickers I-286-S	Vickers I-286-S	US Steel 127, 136	US Steel 127, 136	US Steel 127, 136
	DIN 51524, Part 2	US Steel 127, 136	US Steel 127, 136	US Steel 127, 136	DIN 51524, Part 2	DIN 51524, Part 2	DIN 51524, Part 2
	General Motors LS-2	DIN 51524, Part 2	DIN 51524, Part 2	DIN 51524, Part 2	General Motors LS-2	General Motors LS-2	General Motors LS-2
	JCMAS HK	General Motors LS-2	General Motors LS-2	General Motors LS-2	JCMAS HK	JCMAS HK	JCMAS HK
	Bosch Rexroth	JCMAS HK Bosch Rexroth	JCMAS HK Bosch Rexroth	JCMAS HK Bosch Rexroth	Bosch Rexroth	Bosch Rexroth	Bosch Rexroth

**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.

ALLIED OIL & TIRE COMPANY Branch Locations:

- OMAHA, NE • 2209 S. 24th Street • (402) 344-4343
- KANSAS CITY, MO • 5150 East Front Street • (816) 474-8040
- DES MOINES, IA • 5201 N.E. 15th Street • (515) 262-9381
- JOPLIN, MO • I-44 & Hwy 43 • (417) 623-4771
- SIOUX FALLS, SD • I-90, Exit 402 • (605) 332-3352
- WITCHITA, KS • 3619 North Poplar Street • (316) 616-6300