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# TECHNICAL DATA

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**DESCRIPTION:**

**HYDRAMAX** industrial oils are premium quality and designed to provide maximum protection against oxidation, corrosion and wear. These oils are compounded from highly refined, high VI, paraffinic base oils and carefully selected additives including anti-wear, oxidation and corrosion inhibitors, and pour point and foam depressants.

*Due to the proprietary chemistry used by **ADMAX** to produce **HYDRAMAX**, this product has:*

- Good demulsibility
- High oxidation resistance
- Superior deposit formation
- Is Non-coking
- Resistant to acid, moisture, rust, corrosion, chemicals, sludge, water, cold temperatures and heat

**HYDRAMAX** meets the performance requirements of:

- Denison HF-0 and HF-2
- Cincinnati Milacron P-69 and P-70
- Sperry Vickers
- API SA and SB motor oil

HYDRAMAX industrial oils are not recommended in those applications where non-zinc containing materials are necessary.

HYDRAMAX is also available with 1% Molybdenum Disulfide ( $MoS_2$ ) in all ISO grades.



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**HYDRAMAX, AD300, AD301, AD302, AD303, AD304; AD305, AD306**  
and  
**MOLY HYDRAMAX, AD307, AD308, AD309, AD310, AD311, AD312 and AD313**

HYDRAMAX is also available with 1% Molybdenum Disulfide (M<sub>0</sub>S<sub>2</sub>) in all ISO grades

**SPECIFICATIONS:**

ITEM	ASTM <sup>(1)</sup>	AD300 AD307	AD301 AD308	AD302 AD309	AD303 AD310	AD304 AD311	AD305 AD312	AD306 AD313
ISO Grade	D-2422	22	32	46	68	100	150	220
AGMA <sup>(2)</sup> Grade	N/A	N/A	N/A	1	2	3	4	5
Gravity API	D-287	31.2	30	29	29	28	26.8	24.1
Oxidation Stability, Hours	D-943	3,000+						
Foam Test Rating	N/A	Pass						
Rust Test Rating	D-665	Pass						
Hydraulic Stability	N/A	Pass						
Demulsibility	N/A	Pass						
Pump Wear	N/A	Pass						
Viscosity Index	D-2270	100	100	100	99	99	98	98
Viscosity:								
SUS @ 100 <sup>0</sup> F	D-2161	109	160	230	330	500	745	1,195
SUS @ 210 <sup>0</sup> F	D-2161	40	44	48	54	64	75	94
cSt @ 40 <sup>0</sup> C	D-445	22	31	43	64	95	150	223
cSt @ 100 <sup>0</sup> C	D-445	4.2	5.4	6.5	8.2	11	14.1	18.4
Pour Point ( <sup>0</sup> F)	D-97	-25	-20	-20	-20	-10	-10	-5
Flash Point ( <sup>0</sup> F)	D-92	410	420	430	450	500	530	550

- (1) American Society for Testing and Materials (ASTM)  
(2) American Gear Manufacturers Association (AGMA)



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**ADMAX Performance Lubricants – A leader in lubricant technology**