



NOVA A Hydraulic Oils

Overview: Interlube's NOVA A Hydraulic Oils are premium quality anti-wear, anti-foam, rust and oxidation inhibited hydraulic oils, which meet the requirements of all major hydraulic equipment manufacturers. They were developed for use in modern high pressure, high speed hydraulic systems to ensure maximum pump wear protection, and to prolong the systems life. They pass the difficult and demanding tests set by Vickers, Denison, and Cincinnati Machine and offer performance significantly beyond that required to merely pass. They are made from the finest premium quality solvent-refined paraffinic base stocks to give optimum oxidation stability and performance over wide operating temperature ranges. They are especially suited for high speed and heavily loaded systems where high shear resistance and high temperature stability are essential. These oils have many applications, other than in hydraulic systems, including those calling for non-detergent type oils. They are especially suited for bearing lubrication, circulating systems, non-EP type gear applications, sprockets, chains, slides, linkages, couplings, spindles, electric motors, and all once through applications. They offer significantly greater load carrying ability and anti-wear properties over conventional R & O oils, which are recommended for many of the above applications.

Operational Benefits: These products offer these competitive advantages to enhance your reliability:

- **Reduced wear** • **Multi-application use** • **Reduced maintenance** • **Long lubricant service life** • **Extended component service life** • **Reduced inventory requirements** • **Enhanced production** • **Reduced operating costs** •

All grades meet the following specifications:

- **Denison HF-0, HF-1, HF-2** • **Eaton (Vickers) I-286-S, D-2882, M-2950-S** • **Cincinnati Machine P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)** • **DIN 51524 Part 2 (HM)** • **U.S. Steel 136, 127** • **AFNOR E48-603** • **Chain Lubricants** • **Circulation Systems**

Typical Industries: This product is commonly used (but not exclusively) in the following industries:

- **General Industrial** • **Construction / Mining** • **Food and consumables (H-2)** • **Consumer goods**



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Technical Properties

Property	Method	NOVA 22A	NOVA 32A	NOVA 46A	NOVA 68A	NOVA 100A	NOVA 150A	NOVA 220A
Appearance	Visual	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid
Color	ASTM D-1800	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5	<2.0
Viscosity ISO Grade cSt @ 40°C SUS @ 100°F	ASTM D-445	22 24.0 117	32 35.1 167	46 48.5 240	68 70.1 353	100 105 491	150 155 803	220 229 1200
Viscosity Index	ASTM D-2270	103	101	94	94	95	94	95
Pour Point (°F)	ASTM D-97	-35	-32	-27	-24	-20	-14	-10
Flash Point (°F)	ASTM D-92	>400	>400	>400	>400	>400	>400	>400
API Gravity	ASTM D-5002	32.3	31.6	30.7	29.7	26.9	25.8	25.1
Specific Gravity	ASTM D-1298	0.8504	0.8655	0.8735	0.8800	.8910	0.8965	0.9002
Rust Test	ASTM D-665	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Copper Corrosion	ASTM D	1a	1a	1a	1a	1a	1a	1a

The values shown are typical of current production. All of them may vary within tolerable ranges



Interlube Corporation
 4646 Baker Avenue
 Cincinnati, OH 45212-2594
 Tel: 513-531-1777 | Fax: 513-531-0193
 SALES@INTERLUBECORP.COM | WWW.INTERLUBECORP.COM

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