



ATLANTIC MARINE HYDRAULIC OIL

DESCRIPTION

ATLANTIC Hydraulic Oil HV Series oils are supreme performance anti-wear hydraulic oils engineered for wide temperature range applications.

ATLANTIC Hydraulic HV Series Oils are formulated with high quality base oils and a carefully balanced super-stabilized additive system that helps neutralise the formation of corrosive materials. They are designed to work with systems operating under severe conditions where high levels of anti-wear and film strength protection are needed, yet they are formulated to work where non-anti-wear hydraulic oils are generally recommended.

FEATURES AND BENEFITS

- Exceptional Anti-Wear Protection
- Outstanding Oxidation Stability
- High Viscosity Index
- Excellent Corrosion Protection
- Good Water Separation
- Excellent Air Separation Characteristics

APPLICATIONS

- Hydraulic systems critical to deposit build-up such as sophisticated Numerically Controlled (NC) machines, particularly where close clearance servo-valves are used
- Systems where cold start-up and high operating temperatures are typical
- Where small amounts of water are unavoidable and this water could damage components
- In systems containing gears and bearings
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Machines employing a wide range of components using various metallurgy
- Rotary screw compressors in natural gas service

RECOMMENDATIONS / SPECIFICATIONS

DIN 51524 Part 2, Denison HF-0, HF-1, HF-2, Vickers 1-286-S

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	ML-251001	ML-251002	ML-251003	ML-251004	ML-251005	ML-251006	ML-251007
ISO Viscosity Grade	15	22	32	46	68	100	150
Density at 15°C, g/ml, ASTM D4052	0.859	0.859	0.874	0.879	0.884	0.888	0.895
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	15	22	32	46	68	100	150
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	3.72	4.85	6.10	7.86	10.02	12.84	16.55
Viscosity Index, ASTM D2270	140	149	141	141	131	124	118
Flash Point(COC), °C, ASTM D92	188	188	210	216	218	228	248
Pour Point, °C, ASTM D97	-42	-48	-45	-42	-45	-37	-36
FZG Gear Test, DIN 51534, Fail Stage	-	-	11	11	11	11	11

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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* supersedes all previous versions

Packing: 200L, 208L, 1000L, BULK