



ELBAFOOD HH1 SERIES

ELBAFOOD HH-1 Food Grade Chain,Vacuum Pump and Hydraulic Oils are specially formulated to provide superior lubrication in food plant machinery. These food grade H-1 oils provide outstanding anti-wear protection, are compounded to prevent rusting in the presence of moisture, are non-foaming and have rapid water separation characteristics. An effective antioxidant gives long oil service life and reduces the possibility of sludge and varnish formation. These oils provide anti-wear protection that meets all the requirements of major hydraulic pump manufacturers such as Cincinnati Millicron P-68, P-69, P- 70 and Vicker's 104.Meets USDA 1998 H-1 Requirements

Applications:

ELBAFOOD HH-1 Oils provide excellent performance in high pressure systems and may also be used to lubricate anti-friction bearings,Chains and general circulating systems. It can also be used in inline oilers in pneumatic systems commonly found in food packaging applications. These oils will deliver clean, non-varnishing performance even in extended service intervals

Features and benefits:

- Resistance to oxidative breakdown even at high temperatures
- Keeps systems free of sludge and varnish
- Ensures smooth & reliable operation of hydraulic valves & actuators
- Results in longer fluid life and reduced downtime in tough operating environments
- Anti-wear protection & protects metal pump parts from scuffing & scoring
- Protects equipment operating for extended periods in tough Conditions
- Extends equipment life and improves operating reliability
- Long-term protection from rust and corrosion
- Prevents pump, actuator and circulating system damage in moist or wet operations
- Resistance to contamination
- Rapidly separates from water without loss of performance additives
- Highly resistant to foaming and air entrapment
- Prevents reservoir over flow



Typical Analysis

ISO GRADE	10	15	22	32	46	68	100
Viscosity @ 40°C, cSt	11.0	15.0	21.5	32.5	46.5	68.5	98.3
Viscosity @ 100°C, cSt	-	-	4.20	5.58	6.76	8.85	11.18
Viscosity @ 100°F, SUS	65	83	113	169	240	354	542
Viscosity @ 210°F, SUS	-	-	40.4	45.0	48.9	56.1	64.6
Viscosity Index	95	95	96	98	98	98	98
Pour Point, °F/°C	-10/-22	+10/-22	0/-18	0/-18	0/-18	0/-18	5/-15
Flash Point, °F/°C	365/185	370/187	395/202	420/216	440/226	465/240	475/246
API Gravity	33.2	33.2	33.0	32.2	32.0	31.7	30.9
Color	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Acid Number, mg KOH/g	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Distilled Water	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Synthetic Sea Water	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Minutes to 3 mLaa	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Hours to 2.0 Acid #	6000+	6000+	6000+	6000+	6000+	6000+	6000+

