



TECHNICAL DATA SHEET

AMPAC – H Series

Hydraulic Oils Series

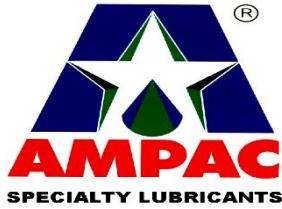
AMPAC – H Series are high performance heavy duty and anti-wear oils designed for high performance in hydraulic systems. They are tailored to promote energy efficiency and foam suppression. They can withstand elevated temperatures and high pressures which results in lower maintenance costs by reducing ring and vane wear, thus extending pump life.

Applications

AMPAC – H Series are of the dual-purpose or multi-functional type for use in hydraulic applications, air compressors, turbines, gear cases, and general lubrication. They are designed for severely stressed hydraulic systems requiring a high level of anti wear performance and fine filtration. Meet or exceed the following Vickers and Denison severe oxidation, wear and corrosion tests specifications.

ADVANTAGES:

- Excellent hydrolytic stability.
- Reduced pump wear
- High natural V.I. for stable viscosities throughout a wider operating temperature range.
- High Aniline Points for controlled seal-swelling characteristics.
- Excellent Rust and Corrosion Resistant Properties.
- Chemical and Mechanical Stabilities.
- Foam Suppression Properties.
- Good Heat Transfer Properties.
- Thermal Oxidation Stability.
- Good Demulsibility Properties.



TYPICAL PROPERTIES

AMPAC – H Series Hydraulic Oils Series										
Prod Code	TEST METHO D ASTM	AMHO 2401	AMHO 2402	AMHO 2403	AMHO 2405	AMHO 2406	AMHO 2407	AMHO 2408	AMHO 2409	AMHO 2410
PROPERTY		TYPICAL RESULTS								
		HO-22	HO-32	HO-46	HO-68	HO-100	HO-150	HO-220	HO-320	HO-460
Viscosity SUS @ 100°F cSt @ 40°C SUS @ 210°F cSt @ 100°C	D2161	125	137	197	336	430	690	950	1450	2070
	D445	26	33	43	74.3	95.2	151.2	241	349	448.1
	D2161	43	45	48	57.2	62.5	75	83.2	108	142
	D445	4.9	5.35	6.8	9.5	12	15.02	20	26	30.5
Viscosity Index	D2270	100	116	104	104	101	98	96	97	96
Flash Point	D92	218°C	218°C	243°C	260°C	263°C	263°C	263°C	272°C	285°C
Fire Point	D92	238°C	238°C	263°C	279°C	289°C	291°C	296°C	302°C	330°C
API Gravity	D287	33	33.8	32.5	31.8	30.6	29.2	28.9	27.5	27
Color	D1500	<1.0	<1.0	<1.0	<1.0	<1.5	<2.5	<3.0	<4.5	<4.5
Pour Point	D97	-37°C	-37°C	-34°C	-26°C	-23°C	-18°C	-15°C	-9°C	-9°C
ISO Grade		22	32	46	68	100	150	220	320	460
Oxidation	D943	Typically above 3,000 HR								
4-Ball Wear	D2266	0.50 mm	0.50 mm	0.43 mm	0.46 mm	0.46 mm	0.46 mm	0.44 Mm	0.45 Mm	0.45 mm
Dielectric Strength	D877	Typically above 35 kV								

