

HydraSafe™



Product Description

D-A HydraSafe™ is a hydraulic fluid designed for use where government regulated environmental concerns are as important as equipment lubrication. HydraSafe is inherently biodegradable and non-toxic to aquatic life. D-A HydraSafe can be used in modern high pressure hydraulic power systems used in construction equipment and stationary industrial installations. HydraSafe is ashless and zinc free, yet formulated with a high level of anti-wear additive for maximum protection against scuffing and wear in hydraulic pumps and motors. HydraSafe allows user to maintain normal service intervals.

Product Features and Benefits

Limits wear in low and high pressure vane and piston pumps *for longer pump life and reduced operating cost.*

Provides wear control for steel, brass and bronze pump parts when operating at maximum pressure ratings, *resulting in excellent pump protection and longer equipment life.*

Can be used in both mobile and stationary hydraulic equipment *giving service flexibility and minimized lubricant inventory.*

Special rust and corrosion inhibitors *limit rusting of ferrous metals and corrosion of yellow metals.*

Environmentally friendly to *meet governmental regulations on hydraulic fluids used in construction near a water source.*

Heavy duty formulation *supports normal drain/service intervals.*

NOTE: HydraSafe is a special order product. Allow extra lead time.

Service Applications

Axial Piston Pumps
Construction Machinery
Hydraulic Power Systems
Hydraulic Drills
Piston Pumps

AIST (U.S. Steel) 127, 136
Cincinnati Machine P-68, P-69, P-70
Eaton (Vickers) I-286S, M-2950-S, 35VQ25
Ford M-6C32
General Motors LH-03-1, LH-04-1, LH-06-1
Parker Hannifin HF0, HF1, HF2

Typical Properties:

Applies to all grades:

	<u>Standard</u>	<u>Test Data</u>	<u>Classification</u>
Toxicity	OECD 203	96-h LL50 > 1000	Non-Toxic
Biodegradability	OECD 301B	22% @ 28 days	Inherently biodegradable

ISO Viscosity Grade	32	46	68
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Viscosity			
@ 100°C, cSt	5.2	6.8	9.3
@ 40°C, cSt	32.9	47.5	73.3

Viscosity Index	97	100	103
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Flash Point,			
°F	400	410	425
°C	204	210	218

Pour Point,			
°F	-26	-22	-20
°C	-32	-30	-29

API Gravity @ 60°F	31.6	31.0	30.4
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**To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)
Or Fax orders to (317) 923-3884**

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