



## AK HYDROLUB HFDU SERIES

**GRADES:** 32,46,68

### DESCRIPTION:

AUTOKING HYDROLUB HFDU Series Oils are water free fire resistant hydraulic fluid are fully synthetic based, which has excellent fire resistance property and selected additives to enhance critical hydraulic properties.

AUTOKING HYDROLUB HFDU Series Oils are also been carefully formulated to provide excellent anti-wear, anti-corrosion, and anti-oxidant properties. These fully synthetic Ester based fluid delivers outstanding and highly stable high viscosity index performance and stay in grade in demanding high temperature operations, over a very long service period.

AUTOKING HYDROLUB HFDU Series Oils delivers maximum safety in high temperature operation, where hot surface or flame may otherwise be a source of ignition for conventional hydraulic fluid, or where the risk of fire due to high-pressure fluid release is of concern.

### APPLICATION:

- AK HYDROLUB HFDU series of oils are recommended for use where high temperature surface, flame or other source of ignition would cause fire in conventional mineral hydraulic fluids. Or where risk of fire due to leakage or spillage of hydraulic fluid from the equipment and requires HFDU type of oil.

### PERFORMANCE LEVEL:

- IS :10532 (PART-5)
- ISO:12922 CATEGORY HFDU
- IS: 7895-1975
- ISO:6743/4

### FEATURES

- High Fire point provides superior fire resistance characteristics.
- Shear stable, so viscosity and fire resistant properties are maintaining during use.
- Excellent resistance to oxidation, and thermal degradation, reduce sludge, varnish and prevent valve sticking.
- Inherently good lubricity.
- High viscosity index.
- It Meet the Fire Resistance Properties such as Auto Ignition temp. Spray ignition test and flame Propagation test as per requirement of IS: 7895 and global certification.

### BENEFITS:

- Superb anti-wear property, lower equipment wear and better equipment protection
- Good corrosion protection against ferrous and non-ferrous metals
- Good filterability and excellent air release value.
- Excellent detergency contributing to system cleanliness.
- High level of Bio-degradability.



**TYPICAL PROPERTIES:**

CHARACTERISTIC	HFDU 32	HFDU 46	HFDU 68
ISO GRADE	32	46	68
APPEARANCES	CLEAR	CLEAR	CLEAR
DENSITY@15°C	0.90 - 0.905	0.90 - 0.905	0.90 - 0.905
KINEMATIC VISCOSITY @40°C, CST	29 - 35	42 - 50	63 - 72
KINEMATIC VISCOSITY @100°C, CST	6 - 7	8 - 9	11 - 13
VISCOSITY INDEX, MIN.	175 - 185	175 - 185	175 - 185
FLASH POINT°C, MIN.	275	275	275
POUR POINT°C, MAX.	-30	-30	-30
RUST PREVENTION	PASS	PASS	PASS
AUTO IGNITION TEMPERATURE, MIN.	400°C	400°C	400°C
FIRE RESISTANCE CHARECTRESTIC	PASSES	PASSES	PASSES

**HEALTHY, SAFETY & ENVIRONMENT:-** Auto king oil are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standard of industrial and personal hygiene are maintained. For more details contact STERLITE INDIA REPRESENTATIVES.

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