

## 4632 Ester Based Fire Resistant Hydraulic Oil

4632 ester based fire resistant hydraulic oil is blended with synthetic base oil of special structure and high level multi-functional additives such as anti-oxidizer, anti-corrosion agent and lubrication and so on. Poisonless and degradable, the product is a new generation of environment friendly lubricant.

### Advantages

- ⊙ Low pour point, high splash point and high viscosity index
- ⊙ Outstanding lubricity and material adaptability
- ⊙ Good thermal stability, and outstanding anti-shear stability
- ⊙ Bio-degradable

### Performance

The product meets the following specifications:

- ⊙ Q/SH PRD123-2008
- ⊙ Technical recognition for matching material by Wuhan Atlantic Metallurgical Engineering & Technology Co., Ltd.
- ⊙ Technical recognition for matching material by CISDI Engineering Co. Ltd.

### Applications

- ⊙ Suitable for hydraulic system of continuous casting production line in steel industry and other hydraulic system with fire resistance and safety requirements of equipment used in furnace, furnace breaker, hot rolling plant, foundry plant, steel ladle valve, power station, coal mine and so on Capable of substituting phosphate ester type fire resistant hydraulic oil
- ⊙ Applied temperature range: -20℃~135℃

### Typical properties

Items	4632 ester based fire resistant hydraulic oil			
	N32	N46	N68	N100
Kinematic viscosity, mm <sup>2</sup> /s 100℃, not less than 40℃	7.00 28.8~35.2	9.00 41.4~50.6	11.00 61.2~74.8	13.00 90~110
Viscosity index, not less than	180			
Flash point, ℃, not less than	270			
Burning point, ℃, not less than	300			
Acid value, mgKOH/g, not larger than	3.0			
Manifold fire test	Passed			

### Precautions

- ⊙ When substituted by it, mineral type oil in system to be kept not less than 5%
- ⊙ When water-based fire resistant hydraulic oil substituted, water content in system to be kept not less than 0.2%
- ⊙ When phosphate ester and other ester type fire resistant hydraulic oil substituted, pay attention to compatibility and adaptability to seals