



Progress with high  
technology

MATSUMURA OIL CO., LTD.

H01001001B(E)

## **BARREL HYDRAULIC OIL HT-A Series**

### (High flash point wear resistant hydraulic oils)

BARREL HYDRAULIC OIL HT-A series are high flash point wear resistant hydraulic oil with excellent thermal stability and oxidation stability by adding various additives to highly refined high flash point base oil. It is especially suitable for applications that are operated under harsh conditions such as machine tools and general industrial machines.

#### 1. Features

- (1) Due to its high viscosity index, it can be used in a wide range of temperatures.
- (2) High thermal stability and oxidation stability, and can be used stably for a long period of time.
- (3) Excellent lubricity and wear resistance.
- (4) Excellent rust prevention, water separability, and oil properties.

#### 2. Typical properties

Property		BARREL HYDRAULIC OIL			
		HT-32A	HT-46A	HT-56A	HT-68A
Density 15°C	g/cm <sup>3</sup>	0.838	0.846	0.854	0.861
Flash Point (COC)	°C	256	256	258	260
Pour Point	°C	-17.5	-17.5	-17.5	-17.5
Kinematic Viscosity 40°C	mm <sup>2</sup> /s	32.0	46.0	56.0	68.0
Kinematic Viscosity 100°C	mm <sup>2</sup> /s	6.18	7.55	8.35	9.30
Viscosity Index		145	130	121	114
Acid Number	mgKOH/g	0.60	0.60	0.60	0.60
Rust Characteristics (artificial sea water)		Pass	Pass	Pass	Pass
Copper Strip Corrosion 100°C,3h		1	1	1	1
Foam Test ml	24°C	10/0	10/0	10/0	10/0
	93.5°C	10/0	10/0	10/0	10/0
	24°C After 93.5°C	10/0	10/0	10/0	10/0
Water Separability 54°C	ml(min)	40-40-0(10)	40-40-0(10)	40-40-0(10)	40-40-0(10)
Color (ASTM)		L0.5	L0.5	L0.5	L0.5
Four-Ball wear, Scar diameter (1200rpm,392.2N,75°C,60min)	mm	0.51	0.51	0.51	0.51

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