

BARREL HYDRAULIC OIL NZ-A Series

(High flash point wear resistant hydraulic oils)

BARREL HYDRAULIC OIL NZ-A series are non-sludge type high flash point wear resistant hydraulic oil that achieves excellent energy saving performance by blending a highly refined high flash point base oil with a new non-Zn extreme pressure agent and friction modifier. Ideal for use in applications that are operated under harsh conditions, such as stamping machines and injection molding machines.

1. Features

- (1) Due to its high viscosity index, it can be used in a wide range of temperatures.
- (2) By adopting non-Zn additive, 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		
		NZ-32A	NZ-46A	NZ-68A
Density 15°C	g/cm ³	0.838	0.847	0.862
Flash Point (COC)	°C	256	256	260
Pour Point	°C	-17.5	-17.5	-17.5
Kinematic Viscosity 40°C	mm ² /s	32.0	46.0	68.0
Kinematic Viscosity 100°C	mm ² /s	6.17	7.52	9.28
Viscosity Index		145	130	114
Acid Number	mgKOH/g	0.20	0.20	0.20
Rust Characteristics (artificial sea water)		Pass	Pass	Pass
Copper Strip Corrosion 100°C,3h		1	1	1
Foam Test ml	24°C	0/0	0/0	0/0
	93.5°C	0/0	0/0	0/0
	24°C After 93.5°C	0/0	0/0	0/0
Water Separability 54°C	ml(min)	40-40-0(10)	40-40-0(10)	40-40-0(10)
Color (ASTM)		L0.5	L0.5	L0.5
Four-Ball wear, Scar diameter (1200rpm,392.2N,75°C,60min)	mm	0.41	0.41	0.41

(2024.06)

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Viscosity Charts (BARREL HYDRAULIC OIL NZ-A)

