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# SUPER HV 46 HYDRAULIC OIL (Mineral)

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PRODUCT CODE	PACK SIZE	CARTON QTY
SUPERHV46020	20L	
SUPERHV46205	205L	
SUPERHV461000LTR	1000L	

## PRODUCT BENEFITS

**Super HV 46** is a high quality, ISO VG 46 HV (High Viscosity Index), zinc enhanced hydraulic oil made from premium base oils using highly shear stable viscosity modifier and zinc (ZDDP) advanced anti-wear additive. It is formulated to maintain stable thickness across a wide range of temperatures (hot & cold) ensuring superior viscosity control.

In addition, it contains a blue dye to allow for easy identification.

## APPLICATION

**Super HV 46** is recommended for use in hydraulic systems such as in outdoor mobile equipment (excavators, loaders, cranes, bulldozers, tractors etc), marine, mining, manufacturing, construction, civil, agriculture/harvesting, transport & forestry.

It is recommended for all types of hydraulic systems using vane, piston or gear pumps, air line lubricators, vacuum pumps, lightly loaded gear sets and bearing (such as headstocks, windmill gears) and hydraulic hoists and jacks.

It may be used in machinery manufactured by -

Caterpillar, Doosan (Develon), Hitachi CM, Hyundai CE, JCB, Kobelco, Kobota, Komatsu, Liebherr, Sany, Volvo CE, XCMG and others as well as in components manufactured by Bosch Rexroth, Hågglunds, Danfoss, Eaton , Kawasaki & Parker Hannifin.

## PRODUCT BENEFITS

- Combats against rust, foaming & oxidation (oil degradation)
- Reduces sludge & deposits
- Excellent air release
- Demulsibility properties provide excellent water separation
- Zinc enhanced for anti-wear protection
- Shear stability maintains equipment performance
- Wide range of temperature usage
- Lower start up viscosity increases energy efficiency

## PRODUCT PERFORMANCE LEVELS

- AIST (USS) 126
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- ASTM D6158 (HM)
- Bosch Rexroth Fluid Rating RDE 90245
- China GB 11118.1 L-HM
- DIN 51524 Part 2 (HLP Type)
- Eaton E-FDGN-TB002-E
- Eaton Vickers I286-S
- Eaton Vickers M-2950-S
- ISO 11158 (ISO-L-HM)
- Kawasaki Heavy Industries JCMAS D-041
- Komatsu KES 07.841.1
- Parker Denison HF-0
- Parker Denison HF-1
- Parker Denison HF-2





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**TYPICAL DATA**

Zinc, Mass PPM	260
Phosphorous Mass, PPM	250
CA Mass, PPM	44
Colour	Clear Blue
Density at 15°C, kg/L	0.857
Viscosity, Kinematic, cSt at 40°C	46.4
Viscosity, Kinematic, cSt at 100°C	8.1
Viscosity Index	148
Flash Point, °C	211