

## ISO 46 Hydraulic Fluid

Nulon ISO 46 Hydraulic Fluid is suitable for a multitude of hydraulic systems. The unique blend maintains optimum viscosity characteristics over a wide temperature, operating pressure and speed range making it suitable for stationary and mobile hydraulic systems.

Nulon ISO 46 Hydraulic Fluid is blended with a high quality hydro-cracked mineral base fluid and the latest high performance, thermally stable zinc anti-wear additives, along with anti-foam, anti-corrosion and oxidation inhibitors for sustained performance and protection.

The unique high stable zinc anti-wear additive reduces wear on components and protects working surfaces thus reducing equipment down time. The anti-corrosion additives protect the hydraulic system against rust formation due to water contamination or moisture absorption. This coupled with the oxidation inhibitors prevent the formation of harmful sludge, reduces varnish and oil thickening.

### Benefits

- Outstanding anti-wear performance
- Enhanced corrosion protection
- Excellent filterability
- Good oxidation resistance
- Superb anti-foam properties
- Excellent hydrolytic stability



### Market Applications

- Earthmoving, construction and industrial equipment
- Truck hoists
- Ancillary hydraulic power take-off equipment
- Forklifts

### Applications

Suitable for use in the following manufacturers:

- Amman (Rammax)
- Case
- Daewoo
- Ditch Witch
- Dynapac
- Fiat-Allis
- Hanomag
- Hyundai
- Ingersoll-Rand
- International
- John Deere
- Kato
- Kawasaki
- Kobelco
- Kunuta
- Mitsubishi
- Sakai
- Takeuchi
- TCM

### Typical Characteristics

ISO	46
KV @ 40°C (cSt)	47.08
KV @ 100°C (cSt)	7.153
Viscosity Index, ASTM D 2270	111
Density @ 15°C kg/L	0.8637
Air Release, minutes, IP313	3.60
Copper Corrosion @ 100°C, 3 hours, D130	1a
Pour Point, °C, ASTM D 97	-18
Rust Preventing Characteristics D665, Procedure B	Nil
Zinc content, Mass%	0.03

Due to continued product research and development the information contained in this Product Bulletin is subject to change without notification.

### Health and Safety

Avoid skin contact with used oils. Wear suitable gloves. If skin contact occurs wash immediately with soap and water.

Protect the environment. Do not pollute drains, ground, or water with waste oil. Dispose of waste oil and container as per local regulations. Do not use container for fuel or solvents.

Meets or exceeds the following oil industry specifications	
Cincinnati Machine (Milacron)	P-68, P-69, P-70
Denison	HF-0, HF-1, HF-2
DIN	51524 part 2, 51524 part 3
Eaton Vickers	I-286-S, M-2950-S
U.S. Steel	127, 136

### Pack Sizes



**Part No: NHF46-5**  
5 litres - 3 Per Carton  
Barcode: 9311090002913



**Part No: NHF46-20**  
20 litres - Single Unit  
Barcode: 9311090002920