

BLUERANGE Hydraulic Oil

Mineral oil based anti-wear hydraulic oils

Product code: BRHYD

Product Description:

The Bluerange range of hydraulic fluids is manufactured from highly refined base stocks which possess good oxidation resistance and thermal stability. They are fortified with carefully selected additives to further improve performance characteristics including anti-corrosion to protect the system should water be present, anti-wear to reduce wear in pumps used in hydraulic systems, antioxidants and antifoam.

Benefits:

- Incorporates inhibitors for protection against all forms of corrosion
- Good anti-foaming and air release properties
- Good demulsification characteristics
- Excellent anti-wear performance
- High oxidation resistance and thermal stability
- Suitable for the majority of hose materials

Applications:

The Bluerange range of hydraulic oils is suitable for a wide variety of applications. These include industrial hydraulic systems, agricultural and plant equipment, mobile units such as jacks, lightly loaded gears and many others.

Product Specification:

DIN	51524 Part 2, category HLP
ISO	6743/4, category HM
Denison	HF-2 TP-02100 Filterability Test
Sperry Vickers	M-2950-S I-286-S
Afnor	NF E 48-600
Thyssen	TH N-256132
US Steel	127
SEB	181.222
VDMA	24318

Typical Test Data:

Bluerange Hydraulic Oil	3	5	10	15	22	32	37
Specific Gravity @ 15.6°C	0.822	0.827	0.850	0.860	0.865	0.873	0.875
Kinematic Viscosity @ 40°C (cSt)	3.0	5.0	10.0	15.0	22.0	32.0	37.0
Kinematic Viscosity @ 100°C (cSt)	-	-	2.62	3.38	4.29	5.36	5.87
Viscosity Index	-	-	91	95	100	100	100
Flash Point (COC °C)	-	-	162	183	195	215	217
Pour Point (°C)	-	-	-	-	-33	-33	-33

Bluerange Hydraulic Oil	46	68	100	150	220	320	460
Specific Gravity @ 15.6°C	0.878	0.880	0.889	0.890	0.893	0.895	0.901
Kinematic Viscosity @ 40°C (cSt)	46.0	68.0	100.0	150.0	220.0	320.0	460.0
Kinematic Viscosity @ 100°C (cSt)	6.75	8.75	11.4	15.0	19.4	24.7	31.3
Viscosity Index	100	100	100	100	100	99	98
Flash Point (COC °C)	220	224	228	231	233	235	245
Pour Point (°C)	-32	-31	-27	-	-	-	-