

Mineral Hydraulic Oils

DESCRIPTION

Tool Mate hydraulic oils are blends of highly refined mineral oil and a balanced additive system, providing excellent anti wear properties, hydrolytic and oxidation stability.

APPLICATION

Tool Mate Mineral Hydraulic Oils provides excellent anti wear properties, thermal and oxidation stability, exhibiting a minimal tendency to form sludge and deposits.

They provide corrosion protection to ferrous and yellow metal components of the hydraulic system, and are fully compatible with elastomeric materials commonly used for static and dynamic seals in hydraulic systems.

As well as industrial hydraulic systems, **Tool Mate Mineral Hydraulic Oils** can be used for other applications where lubricants with hydrolytic stability and lubricity properties are required, such as hydraulic systems containing lightly loaded gears and bearings.

Tool Mate Mineral Hydraulic Oils is classified as follows:

- DIN 51324 Pt II
- Eaton M2950-S
- Eaton I-286-S
- Cincinnati Lamb (Milacron) P68-69-70
- Denison (Parker Hannifin) HF-2, HF-0
- AFNOR NFE 48-603 (HM)
- US Steel 126,127
- ASLE 64.1 to 64.4, 70.1 to 70.3
- CETOP RP91H
- Bosch Rexroth RE 90 220

BENEFITS

- Excellent frictional characteristics, providing wear protection for ways and guides, reducing unscheduled maintenance downtime..
- Good thermal and oxidation stability, means longer operating life, reduction in lubricant costs, and minimises deposit formation leading to a cleaner system.
- Excellent water separation characteristics and hydrolytic stability means longer lubricant life, improvement in equipment reliability and reduced equipment downtime.

TYPICAL DATA (note: data is typical and does not constitute a specification)

Test	Method	Units	MH46	MH68	MH100	MH150
ISO Grade			ISO46	ISO68	ISO100	ISO150
Colour	ASTM		L0.5	L1.5	L1.5	L1.5
Density at 30 °C	ASTM D1298		0.87	0.87	0.88	0.88
Viscosity @ 40°C	ASTM D445	mm ² /s	46.6	68.05	102.6	141.2
Viscosity @ 100°C	ASTM D445	mm ² /s	6.9	8.7	97	14.06
Viscosity Index	ASTM D2270		103	100	97	96
Flash Point COC	ASTM D92	°C	236	254	256	260
Pour Point	ASTM D97	°C	-9	-9	-9	-9
TAN	ASTM D664	mgKOH/	0.29	0.28	0.3	0.31

Storage: Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, and avoid direct sunlight. Indoor storage.

TOOL MATE®
Fluids

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