



FLUID M

CIRCULATING OIL ISO GRADES 22 TO 460

APPLICATIONS

FLUID M is particularly well suited to low-severity hydraulic systems, notably in machine-tools, not exceeding 150 bar pressure.

FLUID M is a circulating oil which can also be used for overall lubrication, notably of bearings and of lightly-loaded gears.

FLUID M, in grades ISO 46 to 320, is recommended for lubrication of vacuum pumps. The ISO grade 32 is particularly recommended for COMPAIR screw compressors.

BENEFITS

FLUID M has enhanced oxidizing resistance properties, which extend the service life of the fluid.

FLUID M remains able to be filtered even in the presence of water, only foreign matter being caught by the filter.

FLUID M is particularly efficient against corrosion of ferrous and non-ferrous metals, specially in humid environments.

PERFORMANCES

PERFORMANCE LEVELS

ISO 11158 Category HL
ISO 6743-4 Category HL
NFE 48603 Category HL
DIN 51524 Partie 1 Category HL

DENISON HF1
MIL-L 17672 D



TECHNICAL DATA SHEET

CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA									
ISO grade	-	-	22	32	46	68	100	150	220	320	460	
Specific gravity at 15°C	kg/m³	NF T 60-101	870	869	874	878	886	890	894	898	901	
Viscosity at 40°C	mm²/s	NF T 60-100	23	32	45	68	104	150	217	320	465	
Viscosity at 100°C	mm²/s	NF T 60-100	4,4	5,3	6,7	8,8	11,7	15	19	24	29,2	
Viscosity index	-	NF T 60-136	100	96	101	102	100	100	98	95	90	
Pour point	°C	NF T 60-105	-33		-30	-27		-18	-15			
Flash point	°C	NF T 60-118	190	230	232	240	250	262	270	280	304	
Aniline point	°C	NF M 07-021	90	98	101	103	106	109	111	116	118	
TAN	mg KOH/g	ASTM D 664			0,06							
Foaming, sequence I	ml	NF T 60-129			100/0							
Foaming, sequence II	ml	NF T 60-129			100/0							
Foaming, sequence III	ml	NF T 60-129			100/0							
Air release at 50°C	min	NF T 60-149	1,3	5	7	18		-				
Demulsibility	ml (min)	NF T 60-125	40/37/3(30)								-	
Copper corrosion	quotation	NF M 07-015	1a									
Rusting test	-	NF T 60-151 A	Pass									
Resistance to oxidation	hour	NF T 60-150	> 1000									

This typical data is given for information only

HEALTH, SAFETY AND ENVIRONMENT

Elimination must be carried out to conform to the rules set for the disposal of used lubricants.

Must be stored away from bad weather.

Should you need further details, our Technical Department remains at your entire disposal.