



## MATRAX TURBOIL

### Description

Turbine lubricant, formulated from various carefully selected paraffin bases.

### Application

Recommended for gas turbines that require high anti-corrosion and anti-foaming properties, good water separation capability, and strong resistance to varnish and sludge formation.

Ideal for lubricating shaft bearings, removing heat, operating the servomechanisms of regulating valves, and, if present, lubricating gearboxes.

This lubricant may be used for an extended period of time, as long as good maintenance practices are followed.

### Technical characteristics

High demulsibility capability: water separation additives prevent a reduction in oil viscosity and protect metal components from oxidation

High anti-wear performance: development of a protective film, preventing the risk of seizure by reducing friction

Thermal stability: associated with low volatility and reduced carbon formation, it reduces the risk of fire and explosion

Corrosion resistance: additives that reduce chemical attacks on metal surfaces by organic acids resulting from exposure to contaminants that oxidise the oil, providing extended periods of use

High resistance against foaming: the rapid release of air and the prevention of foaming guarantee reliable operation



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### Technical information

Parameter	<u>32</u>	<u>46</u>	<u>68</u>	<u>100</u>	<u>150</u>
Kinematic viscosity @40°C (cSt) ASTM D 445	32	46	68	100	150
Kinematic viscosity @100°C (cSt) ASTM D 445	5,3	6,7	8,6	11,1	14,6
Viscosity index ASTM D 2270	95	95	95	95	95
Density a 15°C (g/cm <sup>3</sup> ) ASTM D 1298	0,862	0,884	0,885	0,89	0,89
Flash point (°C) ASTM D 92	200	210	230	240	250
Freezing point (°C) ASTM D 97	-25	-23	-22	-20	-18

### Approvals and Recommendations

DIN 51524 Part 1 · Parker Denison HF-1 · Fives Cincinnati P-38/P-54/P-55/P-57 · AFNOR E48-600 HL · MIL-PRF-17672E

All packaging must be stored in covered facilities. In cases where outdoor storage is unavoidable, the drums should be placed horizontally to prevent the possible infiltration of water, as well as their deformation. Products should not be stored above 60°C, exposed to direct sunlight or low temperatures. We advise you to read the safety data sheet carefully for more information on its use and handling.