



PRODUCT SPECIFICATION

SPECIFICATION

Product Name: **TURBINE OIL 46**

PRIMARY TESTS	METHOD	SPECIFICATION		
		MIN	TYP	MAX
Appearance	Visual	Clear and Bright		
Colour	ASTM D1500 / TS 1713 ISO 2049	0.5	1	3
Density 15 °C, g/ml	ASTM D4052 / TS EN ISO 12185	0.860	0.870	0.900
Viscosity 40 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	41.4	46	50.6
Water Separation 54 °C, minute	ASTM D1401 / TS 6122 ISO 6614			30
Foaming Chactaristics (I,II,III Kd.) ml/ml	ASTM D892 / TS 1834 ISO 6247	450/0	50/0	450/0
Solid Particle Content	TS ISO 4406			-/17/14

SECONDARY TESTS	METHOD	SPECIFICATION		
Viscosity 100 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	6.5	7	7.5
Viscosity Index	ASTM D2270 / TS ISO 2909	90		
Pour Point, °C	ASTM D97 / TS EN ISO 3016			-9
Flash Point, °C (COC)	ASTM D92 / TS EN ISO 2592	220		
Copper Corrosion (100 °C, 3 h)	ASTM D130 / TS 2741 EN ISO 2160			1
Rust Test (Process B)	ASTM D665 / TS 6830 ISO 7120		Pass	
Water Content %m/m	ASTM D6304 / TS 6147 EN ISO 12937			0.02
Acid Number, mgKOH/g	ASTM D664 / TS 2432 EN 12634			0.2
Determination of air, 50 °C, min.	ASTM D3427 / TS 5768 ISO 9120			5

PERFORMANCE LEVELS: DIN 51515 (R+O), BS 489, MIL-L-17672 D

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* As the defined values are typical values, there can be some little changes according to the production. M Oil keeps all the rights to update and change the formulations of products without making any announcements. For the updated informations and technical data about the products and product packagings, please contact with M Oil.