PRODUCT SPECIFICATION

SPECIFICATION

Product Name: GEARMOL M 100

PRIMARY TESTS	METHOD	SPECIFICATION		
		MIN	TYP	MAX
Appearence	Visual		Clear and Bright	
Colour	ASTM D1500 / TS 1713 ISO 2049	1	2	3
Density 15 °C, g/ml	ASTM D4052 / TS EN ISO 12185	0.885	0.890	0.900
Viscosity 40 °C, mm^2/s	ASTM D445 / TS EN ISO 3104	90	100	110
Water Separation 54 °C, minute	ASTM D1401 / TS 6122 ISO 6614			30
Foaming Characteristics (II. Kd) ml/ml	ASTM D892 / TS 1834 ISO 6247	100/10	100/10	100/10

SECONDARY TESTS	METHOD	SPECIFICATION		
Viscosity 100 °C, mm^2/s	ASTM D445 / TS EN ISO 3104		11.2 typ.	
Viscosity Index	ASTM D2270 / TS ISO 2909	90		
Flash Point, °C (COC)	ASTM D92 / TS EN ISO 2592	230		
Pour Point, °C	ASTM D97 / TS EN ISO 3016			-15
Copper Corrosion (100 °C, 3 hours)	ASTM D130 / TS 2741 EN ISO 2160			1
Rust Test (Process A & Process B)	ASTM D665 / TS 6830 ISO 7120		Pass	
Oxidation Stability, h	ASTM D943 / TS EN ISO 4263-1	1000		
Water Content %m/m	ASTM D6304 / TS 6147 EN ISO 12937			<0.1
Acid Number, mgKOH/g	ASTM D664 / TS 2432 EN 12634			1

PERFORMANCE LEVELS: US Steel 224, AGMA 9005-E 02, DIN 51517 PART 3

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KG-ÜS-040	16/04.05.2026	1/1	LAB. & QUALITY SPECIALIST	MANAGEMENT REPRESENTATIVE	FACTORY MANAGER

* 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.