



PRODUCT SPECIFICATION

SPECIFICATION

Product Name: **MOLTRAK 20W-50**

PRIMARY TESTS	METHOD	SPECIFICATION		
		MIN	TYP	MAX
Appearance	Visual	Clear and Bright		
Colour	ASTM D1500 / TS 1713 ISO 2049	2.5	3.5	5
Density 15 °C, g/ml	ASTM D4052 / TS EN ISO 12185	0.880	0.890	0.910
Kinematic Viscosity 100 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	16.3	17	21.9
Kinematic Viscosity 40 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	145	160	190
Viscosity Index	ASTM D2270 / TS ISO 2909	120		
Cold Cracking (-15 °C), cp	ASTM D5293 / TS 1896			9500

SECONDARY TESTS	METHOD	SPECIFICATION		
Pour Point, °C	ASTM D97 / TS EN ISO 3016			-21
Flash Point, °C (COC)	ASTM D92 / TS EN ISO 2592	240		
T.B.N. mgKOH/g	ASTM D2896 / TS 5655 ISO 3771	3		
Rust Test	ASTM D665 / TS 6830 ISO 7120		Pass	
Foaming Characteristic (I,II,III Kd.) ml/ml	ASTM D892 / TS 1834 ISO 6247		(10/0, 50/0, 20/0)	
Sulfated Ash %m/m	ASTM D874 / TS ISO 3987			2
Copper Corrossion (150 °C, 3 hours)	ASTM D130 / TS 2741 EN ISO 2160			1b
Elements Con. (Zn,P,N,S) %m/m	ASTM D4951		To be reported	

PERFORMANCE LEVELS: API: CC / SC

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KG-ÜS-098	09/16.10.2023	1/1	FACTORY HSEQ & LAB. MANAGER	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.