



## PRODUCT SPECIFICATION

SPECIFICATION

### Product Name

## SANAYİ DİŞLİ YAĞI 220 / INDUSTRIAL GEAR OILS 220

PRIMARY TESTS	METHOD	SPECIFICATION		
		MİN	TYP	MAX
Appearance	Visual		Clear and Bright	
Colour	ASTM D1500 / TS 1713 ISO 2049	2,5	3	4,5
Density 15°C, g/ml	ASTM D4052 / TS EN ISO 12185	0,890	0,900	0,910
Viscosity 40 °C, mm <sup>2</sup> /s	ASTM D445 / TS EN ISO 3104	198	220	242
Foaming Characteristics (II. Kd) ml/ml	ASTM D892 / TS 1834 ISO 6247	100/10	100/10	100/10

SECONDARY TESTS	METHOD	SPECIFICATION		
		MİN	TYP	MAX
Viscosity 100 °C, mm <sup>2</sup> /s	ASTM D445 / TS EN ISO 3104		18,5Typ.	
Viscosity Index	ASTM D2270 / TS ISO 2909	90		
Flash Point, °C (COC)	ASTM D92 / TS EN ISO 2592	240		
Pour Point, °C	ASTM D97 / TS EN ISO 3016			-9
Copper Corrosion (100°C, 3 saat)	ASTM D130 / TS 2741 EN ISO 2160			1
Determination of water ( Prs A )	ASTM D2711 / TS 13409			
- Free water, ml		30		
- Emulsion, ml				4
- Water in oil, %				2
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 D95 / TS 6147 EN ISO 12937			<0,1
Acid Number, mgKOH/g	ASTM D974 / TS 9178 ISO 6618			1

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

\* 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 datas about the products and product packagings, please contact with M Oil.