



**PETROTM OIL**

## CERTIFICATE OF ANALYSIS

Product Name : 4 CST  
Description of Product : Lubricating base oil  
Sampling Method : D 4057  
Sampling Code : UP10254381

Sr.No	Physical & Chemical Properties	ASTM	UNIT	SPEC.LIMIT	RESULT
1	Appearance	D 4176	N.A	Bright & Clear	Bright & Clear
2	Color, Say bolt	D 156	N.A	Min+26	+30
3	Kinematic Viscosity @ 40 °C	D 445	mm <sup>2</sup> /s	Report	20.16
4	Kinematic Viscosity @ 100 °C	D 445	mm <sup>2</sup> /s	Min 4.200 Max 4.400	4.37
5	Viscosity Index	D 2270	N.A	Min125	128
6	Flash Point	D 92	°C	Min210	214
7	Pour Point	D 5949	°C	Min-18	-21
8	Density @ 15 °C	D 4052	g/mL	Report	0.8246
9	Water Content	D 6304	Ppm	Max 50	21
10	Acid Number	D 974	mgKOH/g	Report	<0.1
11	Apparent Viscosity @ -30 °C	D 5293	mPas	Max 1500	1440
12	Evaporation Losses Noack Method	D 5800	%M/M	Max 14.0	12.80
13	Carbon Residue	D 4530	ml	Report	<0.1
14	Sulfur	D 6304	ppm	Max10	<3.0
15	Saturates	D 7419	Mass%	Report	99.8
16	Aromatics	D 7419	Mass%	Report	<0.2
17	Copper Corrosion, 3hrs at 100 °C	D 130	-	Report	1b