

GASOIL SPECIFICATION 0.5%

**OIL & FLUID
CONDITION MONITORING
SAMPLE KITS**

Analysis	Unit	Limit	Test Method
Density @ 15°C	Kg/m ³	820-860	ASTM D1298
Distillation:			
Recovered @ 150°C	Vol%	report	ASTM D86
Recovered @ 300°C	Vol%	report	ASTM D86
Recovered @ 357°C	Vol%	90 min	ASTM D86
F.B.P	°C	385 max	ASTM D86
Colour	-	3 max	ASTM D1500
Flash point	°C	60 min	ASTM D93
Sulphur Total	wt%	0.5 max	ASTM D1552
Corrosion-3hrs@100°C	-	1 a	ASTM D130
Viscosity Kinematic@37.8°C	c.St	2.0-5.5	ASTM D445
Cloud point	°C	*2.0 max	ASTM D2500
Pour point	°C	*-3.0 max	ASTM D97
Carbon Residue (on 10 % Bottoms)	wt%	0.1 max	ASTM D189
Ash	wt%	0.01 max	ASTM D482
Water & Sediment	Vol%	0.05 max	ASTM D2709
Cetane Index	-	49 min	ASTM D976



Gasoil Specification 0.5%

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SCAN ME



Sample ID : 140011



GASOIL SPECIFICATION 500 PPM

OIL & FLUID
CONDITION MONITORING
SAMPLE KITS

Analysis	Unit	Limit	Test Method
Density @ 15°C	Kg/m3	820-860	ASTM D1298
Distillation:			
Recovered @ 150°C	Vol%	report	ASTM D86
Recovered @ 300°C	Vol%	report	ASTM D86
Recovered @ 357°C	Vol%	90 min	ASTM D86
F.B.P	°C	385 max	ASTM D86
Colour	-	3 max	ASTM D1500
Flash point	°C	54 min	ASTM D93
Sulphur Total	wt%	0.05 max	ASTM D1552
Corrosion-3hrs@100°C	-	1 a	ASTM D130
Viscosity Kinematic@37.8°C	c.St	2.0-5.5	ASTM D445
Cloud point	°C	*2.0 max	ASTM D2500
Pour point	°C	*-3.0 max	ASTM D97
Carbon Residue (on 10 % Bottoms)	wt%	0.1 max	ASTM D189
Ash	wt%	0.01 max	ASTM D482
Water & Sediment	Vol%	0.05 max	ASTM D2709
Cetane Index	-	49 min	ASTM D976

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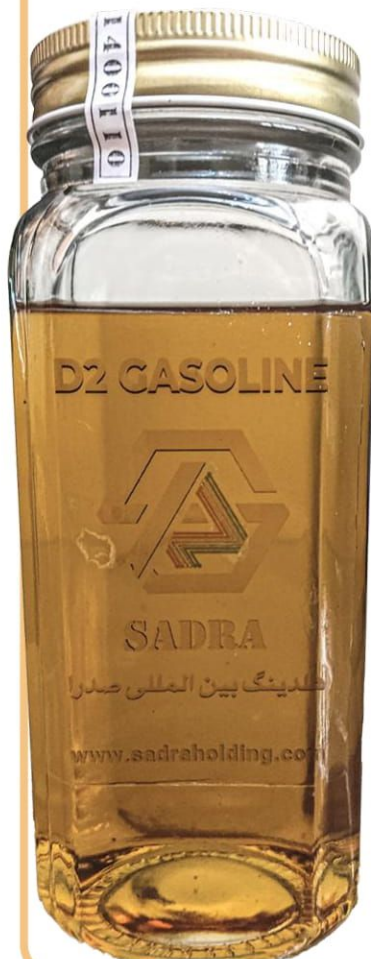
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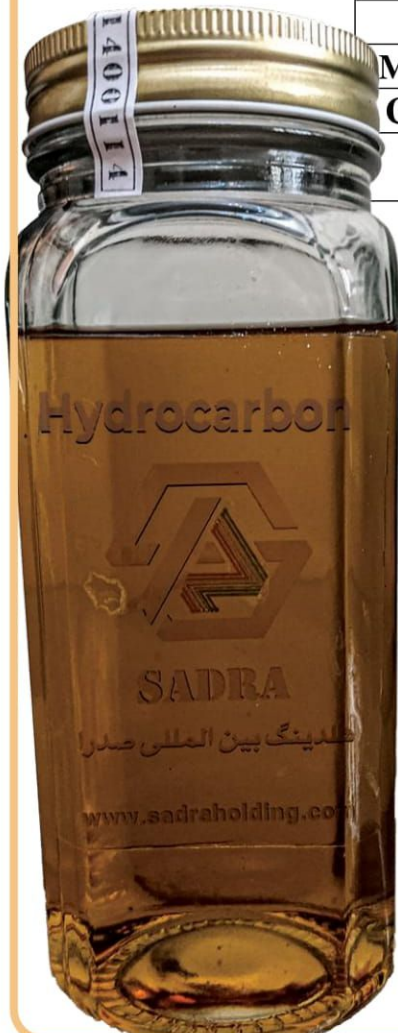
Sample ID : 1400110



HEAVY-END HYDROCARBONS

OIL & FLUID
CONDITION MONITORING
SAMPLE KITS

Test	Unite	Test method	Guaranty range	Result
Density @ 15 °C	Kg/m3	ASTM D86	805 Max	798
Distillation Range (°C)				
IBP	°C	ASTM D86	140 Min	143
10	°C	ASTM D86	160-170	164
20	°C	ASTM D86	170-180	175
30	°C	ASTM D86	180-190	185
40	°C	ASTM D86	190-200	196
50	°C	ASTM D86	205-215	208
60	°C	ASTM D86	215-225	222
70	°C	ASTM D86	232-242	237
80	°C	ASTM D86	248-258	255
90	°C	ASTM D86	277-287	282
FBP	°C	ASTM D86	339 Max	331
Viscosity Kinematic	@100 °C	ASTM D445	0.65-0.75	0.73
Flash point (open Cup)	°C	ASTM D92	40-50	43
Pour Point	°C	ASTM D97	< - 30	< - 30
Colour	Number	ASTM D1500	1-2	1.5
Copper Corrosion	3hrs @50 °C ppm	ASTM D130	-	1a
Total Sulfur	ppm	ASTM D4292	<5200	4941
Mercaptan Content	ppm	ASTM D3227	<200	143
Chlorine Content	Mg/L	ASTM D4929	0	0
Cetane index	Number	ASTM D4737	45-55	50



Heavy-end hydrocarbons

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Sample code: 1400114



LIGHT HYDROCARBONS

OIL & FLUID
CONDITION MONITORING
SAMPLE KITS

Test	Unite	Test method	Guaranty range	Result
Density @ 15 °C	Kg/m3	ASTM D4052	712 Max	707
Distillation Range (°C)				
IBP	°C	ASTM D86	35 Min	39
10	°C	ASTM D86	48-58	55
20	°C	ASTM D86	58-68	63
30	°C	ASTM D86	68-78	72
40	°C	ASTM D86	78-88	81
50	°C	ASTM D86	88-98	91
60	°C	ASTM D86	98-108	101
70	°C	ASTM D86	108-118	112
80	°C	ASTM D86	118-128	123
90	°C	ASTM D86	137-147	141
95	°C	ASTM D86	150-160	154
FBP	°C	ASTM D86	195 Max	185
Colour	Number	ASTM D1500	0-0.25	0
Copper Corrosion	3hrs @50 °C	ASTM D130	-	2c
Total Sulfur	ppm	ASTM D4294	2100 Max	1800
Chlorine Content	Mg/L	ASTM D4929	0	0
Octane Number	RON	INFRARED	78 Min	80
	MON		72 Min	74
Benzene Content	Vol %	ASTM D6730	1-2	1.4
Aromatic Content	Vol %	ASTM D6730	8-11	9.5
Mercaptan Content	PPM	ASTM D3227	150 Max	43
Reid Vapor Pressure (RVP)	kps @ 37.8 °C	ASTM D5191	45-60	55
Olefins Content	Vol %	ASTM D6730	0.1-1	0.4
Oxygen Content	Wt %	ASTM D5845	0.01≥	0
MTBE	Vol %	ASTM D5845	0	0
Ethanol	Vol %	ASTM D5845	0	0
Methanol	Vol %	ASTM D5845	0	0



Light hydrocarbons

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Sample ID : 1400112



VIRGIN BASE OIL SN 150

OIL & FLUID
CONDITION MONITORING
SAMPLE KITS

Property	Unit	Test Method	Specification
Appearance	-	Visual	C&B
Color		ASTM D-1500	Max 1
Density at 15°C	kg/m3	ASTM D-4052	880
Kinematic viscosity at 100°C	mm2/s (cSt)	ASTM D-445	4.7-5.7
Viscosity index	-	ASTM D-2270	Min 90
Flash point	C°	ASTM D-92	Min 200
Pour point	C°	ASTM D-97	Max -6
Noack at 250°C	% wt	ASTM-D-5800	Max 15

Virgin Base Oil Sn 150

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SADRA SCAN ME



Sample ID : SN 150



SAMPLE:
SN 150
Order NO:
Ba NO:
BI NO:
DATE:



VIRGIN BASE OIL SN 500

OIL & FLUID
CONDITION MONITORING
SAMPLE KITS

Characteristic	Unit	Test Method	Specification
Appearance	-	Visual	C&B
Color	-	ASTM D-1500	Max 2
Kinematic viscosity at 100°C	mm ² /s (cSt)	ASTM D-445	Min 10,8
Viscosity index	-	ASTM D-2270	Min 87
Flash point	C°	ASTM D-92	Min 235
Pour point	C°	ASTM D-97	Max -3

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Virgin Base Oil Sn 500

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Sample ID : SN 500

