



YUNIGREEN OILS TECHNICAL SPECIFICATIONS SHEET:



SN 150 TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.850	0.860	0.860
3	Color	ASTM D 1500	-	L2.0	L2.5	L2.0
4	Kinematic Viscosity @40c	ASTM D 445	cSt	28	32	31
5	Kinematic Viscosity @100c	ASTM D 445	cSt	5.20	5.80	5.60
6	Viscosity Index	ASTM D 2270	-	100	104	102
7	Flash Point, COC	ASTM D 92	°C	190	206	200
8	Flash Point, PMCC	ASTM D 93	°C	180	196	190
9	Pour Point	ASTM D97	°C	-5	-7	-6
10	Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

SN 150 PLUS TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.850	0.860	0.860
3	Color	ASTM D 1500	-	1.4	2.0	1.5
4	Kinematic Viscosity @40c	ASTM D 445	cSt	30	35	32
5	Kinematic Viscosity @100c	ASTM D 445	cSt	5.40	5.80	5.60
6	Viscosity Index	ASTM D 2270	-	102	104	102
7	Flash Point, COC	ASTM D 92	°C	190	206	200
8	Flash Point, PMCC	ASTM D 93	°C	180	196	190
9	Pour Point	ASTM D97	°C	-3	-9	-6
10	Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

SN 300 TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.860	0.870	0.865
3	Color	ASTM D 1500	-	L2.0	L2.5	L2.5
4	Kinematic Viscosity @40c	ASTM D 445	cSt	38	42	40
5	Kinematic Viscosity @100c	ASTM D 445	cSt	6.50	8.00	7.50
6	Viscosity Index	ASTM D 2270	-	102	104	106
7	Flash Point, COC	ASTM D 92	°C	220	230	225
8	Flash Point, PMCC	ASTM D 93	°C	215	226	220
9	Pour Point	ASTM D97	°C	-6	-10	-8
10	Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

SN 300 PLUS TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.860	0.870	0.865
3	Color	ASTM D 1500	-	1.4	1.7	1.5
4	Kinematic Viscosity @40c	ASTM D 445	cSt	38	42	40
5	Kinematic Viscosity @100c	ASTM D 445	cSt	6.50	8.00	7.50
6	Viscosity Index	ASTM D 2270	-	104	108	106
7	Flash Point, COC	ASTM D 92	°C	220	230	225
8	Flash Point, PMCC	ASTM D 93	°C	215	220	225
9	Pour Point	ASTM D97	°C	-3	-9	-6
10	Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

SN 500 TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.873	0.877	0.875
3	Color	ASTM D 1500	-	L2.5	L3.0	L3.0
4	Kinematic Viscosity @40c	ASTM D 445	cSt	70	75	73
5	Kinematic Viscosity @100c	ASTM D 445	cSt	9.4	10.5	9.6
6	Viscosity Index	ASTM D 2270	-	105	107	106
7	Flash Point, COC	ASTM D 92	°C	240	260	248
8	Flash Point, PMCC	ASTM D 93	°C	230	250	240
9	Pour Point	ASTM D97	°C	-10	-13	-12
10	Micro Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

SN 500 PLUS TECHNICAL SPECIFICATIONS:

SN	Property	Method	Units	Min	Max	Typical
1	Appearance	Visual	-			Clear & Bright
2	Density @15c	ASTM D 1298	Kg/L	0.873	0.877	0.875
3	Color	ASTM D 1500	-	2.3	2.5	2.7
4	Kinematic Viscosity @40c	ASTM D 445	cSt	70	75	73
5	Kinematic Viscosity @100c	ASTM D 445	cSt	9.4	10.5	9.6
6	Viscosity Index	ASTM D 2270	-	105	107	106
7	Flash Point, COC	ASTM D 92	°C	230	252	242
8	Flash Point, PMCC	ASTM D 93	°C	196	210	205
9	Pour Point	ASTM D97	°C	-9	-15	-12
10	Micro Carbon Residue	ASTM D 4530	%wt		0.05	0.04
11	Neutralization No.	ASTM D 974	mgKOH/gm		0.05	0.04
12	Sulphur Content	ASTM D 4294	%wt	0.16	0.25	0.18
13	Total Chlorine	ASTM D 4929	mg/kg		2	2
14	Water & Sediments	ASTM D 6304	mg/kg		0.01	0.01
15	Acid Number	ASTM D 664	mgKOH/gm		0.02	0.02
16	Ash Content	ASTM D 482	%wt		0.006	0.006
17	Copper Corrosion 3Hrs @ 100 °C	ASTM D 130	-			1A
18	Glycol	ASTM D 4291	mg/kg			<10
19	CCS @-20c	ASTM D 5293	mPa.S			1925

Yanbu United Company For Trading and Industry (YUNIGREEN) is the largest plant for producing Re-Refined Base Oil in the Middle East and North Africa and is the third largest manufacturer In the world, with annual production capacity of 218,000 k.t of Re-Refined Base Oil.

YUNIGREEN is located in Yanbu in Saudi Arabia and produce high quality Re-Refined Base Oil using the latest re-refining technologies and Exports its products to more than 49 countries across Asia, Africa, Europe and Latin America.

Base Oil Grades Produced:

- SN 70
- SN 100
- SN 150
- SN 300
- SN 500



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