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CRUDE OIL ASSAY REPORT

"ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025"

CRUDE OIL ASSAY REPORT NUMBER:
MUM/005426/2025

DATE OF ISSUE:
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Table of Contents

LABORATORY REPORT NO. MUM/005426/2025

CRUDE OIL - DETAILED ASSAY ALL CUTS OVERVIEW

ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Whole Crude	Light Ends	Fractions					
Initial BP		°C		C4	C5	140	250	370+	370	550+
Final BP		°C		-	140	250	370		550	
Yield	ASTM D 2892 & D5236	% Wt.		0.77	14.11	15.07	24.31	45.74	33.67	12.07
		% Vol.		1.10	16.25	15.86	24.35	42.44	32.14	10.30
Density @ 15° C	ASTM D5002/D4052	kg/L	0.8449	0.5662	0.7310	0.8033	0.8438	0.9105	0.8852	0.9910
Specific Gravity @ 60/60° F	Conversion		0.8453		0.7312	0.8037	0.8442	0.9110	0.8857	0.9916
API Gravity @ 60° F	Calculated	° API	35.9		62.0	44.6	36.1	23.8	28.3	11.2
Composition (Upto C9)	GC	% Wt.	See Page 14	See Page 8						
Aromatics										
Mono	IP 391	% mass				11.5	13.1			
Di		% mass				1.0	5.2			
Tri		% mass				0.10	0.70			
Poly		% mass				1.1	5.9			
Asphaltene	IP 143	% Wt.	<0.50					<0.50		<0.50
Basic Nitrogen	UOP 269	ppm wt				1.5	28	560		1600
Benzene	ASTM D5580	% Wt			0.37					
Carbon Residue- Micro	ASTM D4530/D189	% Wt	1.61				<0.10	3.51	<0.10	12.8
Organic Chloride	ASTM D4929B	ppm wt			<1					
Composition - Light HC	IP 601	-	See Page 13							
Paraffins	ASTM D6730	Vol %			49.758					
Olefins		Vol %			0.887					
Naphthene		Vol %			44.099					
Aromatics		Vol %			5.255					
Flash Point (PMCC)	ASTM D93/D 170	°C	<-5			46	>110.0			
Freezing Point	ASTM D2386	°C				-53				
Hydrogen Sulphide (Liquid Phase)	UOP163	ppm wt			<1					
Kinematic Viscosity @ 20°C										
Kinematic Viscosity @ 40°C	ASTM D445	cSt	6.903				4.359			
Kinematic Viscosity @ 50°C		cSt	5.044				3.633			
Kinematic Viscosity @ 70°C		cSt						29.88	13.17	#
Kinematic Viscosity @ 100°C		cSt						12.92	6.426	273.9
Kinematic Viscosity @ 135°C		cSt								58.62
Mercaptan Sulphur	UOP163	ppm wt			<3					
Metals										
Copper	ICPOES	ppm wt	<1					<1	<1	<1
Iron	ICPOES	ppm wt	5					10	<1	38
Nickel	ICPOES	ppm wt	4					8	<1	33
Zinc	ICPOES	ppm wt						<1	<1	<1
Vanadium	ICPOES	ppm wt	<1					<1	<1	2
Motor Octane Number	ASTM D2700	Rating			68					
Pour Point	ASTM D97	°C	24				6	48	48	72
Cold Filter Plugging Point	IP 309	°C				<-33				
Cloud Point	ASTM D2500	°C					8			
Aniline Point	ASTM D611	°C				60.3	79.0	103.1		
Aniline Point & API Product	Calculation					6275				
Saybolt	ASTM D156					+27				
Doctor Test	IP 30				Negative					
Copper Strip Corrosion	ASTM D130				1a	1a				
Cetane Index	ASTM D976	Rating				38.8	54.7			
Diesel Index	IP 21	-				62.7	63.0			
Reid Vapour Pressure @37.8°C	ASTM D5191/D323	psi	4.1		6.2					
Research Octane Number	ASTM D2699	Rating			70.1					
Salt Content	ASTM D3230	lb/1000bbls	2.6							
Smoke Point	ASTM D1322	mm				26				
Total Acid Number	ASTM D664	mg KOH/g	0.15				0.15			
Total Nitrogen	ASTM D4629/D5762/D3228	ppm wt	660			6.5	58	1400	500	
Total Sulphur	ASTM D4294/D5453	% Wt	0.0488		0.0015	0.0160	0.0471	0.0756	0.0491	0.148
Water Content	ASTM D4006/D6304	% Vol	0.075							
Water Content	ASTM D6304	ppm					52			
Water & Sediments	ASTM D4007	% Vol	0.10							
Sediment by Extraction	ASTM D473	% Wt					<0.01			
Wax Appearance Temperature	DSC	°C	35							
Wax Disappearance Temperature	DSC	°C	42							
Wax Content	UOP 46*	% Wt	21.9				10.1	40.80	45.80	
Distillation	ASTM D86 / D1160	°C			See Below	See Below	See Below	See Below		
Initial Boiling Point		°C			41.2	145.6	261.1	382.7	367	
5% recovered		°C			64.3	164.8	270.2	409.3	405	
10% recovered		°C			69.4	167.5	273.8	417.9	413	
20% recovered		°C			76.0	172.4	277.9	427.1	419	
30% recovered		°C			82.1	177.6	283.0	437.3	429	
40% recovered		°C			87.8	183.5	289.1	448.3	437	
50% recovered		°C			93.0	190.1	296.2	460.3	445	
60% recovered		°C			97.8	198.0	304.0	476.9	452	
70% recovered		°C			102.8	206.5	313.4	508.3	461	
80% recovered		°C			108.9	215.7	324.7	559.6	483	
90% recovered		°C			117.3	226.4	338.5	578.2	499	
95% recovered		°C			124.5	234.6	347.9	83.7	535	
Final Boiling Point		°C			137.8	244.2	352.4	0.0	99	
Recovery		Vol %			99.1	98.4	98.4			
Resdue		Vol %			0.6	1.0	1.0			
Loss		Vol %			0.3	0.6	0.6			

Note : (#) Not possible due to the nature of sample (*)Withdrawn method

LABORATORY REPORT NO. MUM/005426/2025

WHOLE CRUDE PROPERTIES

Sample Descriptions / Label : ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Results
Density @ 15° C	ASTM D5002	kg/L	0.8449
Specific Gravity @ 60/60° F	Conversion		0.8453
API Gravity @ 60° F	Calculated	° API	35.9
Asphaltene	IP 143	% Wt	<0.50
Carbon Residue- Micro	ASTM D4530	% Wt	1.61
Composition (Upto C9)	IP 601	% Wt & %Vol.	See Page 13
Flash Point	IP 170	° C	<-5
Kinematic Viscosity @ 20° C	ASTM D445	cSt	#
Kinematic Viscosity @ 40° C			6.903
Kinematic Viscosity @ 50° C			5.044
Metals			
Copper	ICPOES	ppm wt	<1
Iron	ICPOES	ppm wt	5
Nickel	ICPOES	ppm wt	4
Zinc	ICPOES	ppm wt	<1
Vanadium	ICPOES	ppm wt	<1
Pour Point	ASTM D97	° C	24
Reid Vapour Pressure @ 100° F	ASTM D323	psi	4.10
Salt Content	ASTM D3230	PTB	2.6
Total Acid Number	ASTM D664	mg KOH/g	0.15
Total Nitrogen	ASTM D5762	ppm wt	660
Total Sulphur	ASTM D4294	% Wt	0.0488
Water Content	ASTM D4006	% Vol	0.075
Water & Sediments	ASTM D4007	% Vol	0.10
Wax Appearance Temperature	DSC	°C	35.00
Wax Disappearance Temperature	DSC	°C	42.00
Wax Content	UOP 46*	% Wt	21.9

Note : (#) Not possible due the nature of the sample

LABORATORY REPORT NO. MUM/005426/2025

TRUE BOILING POINT DISTILLATION DATA

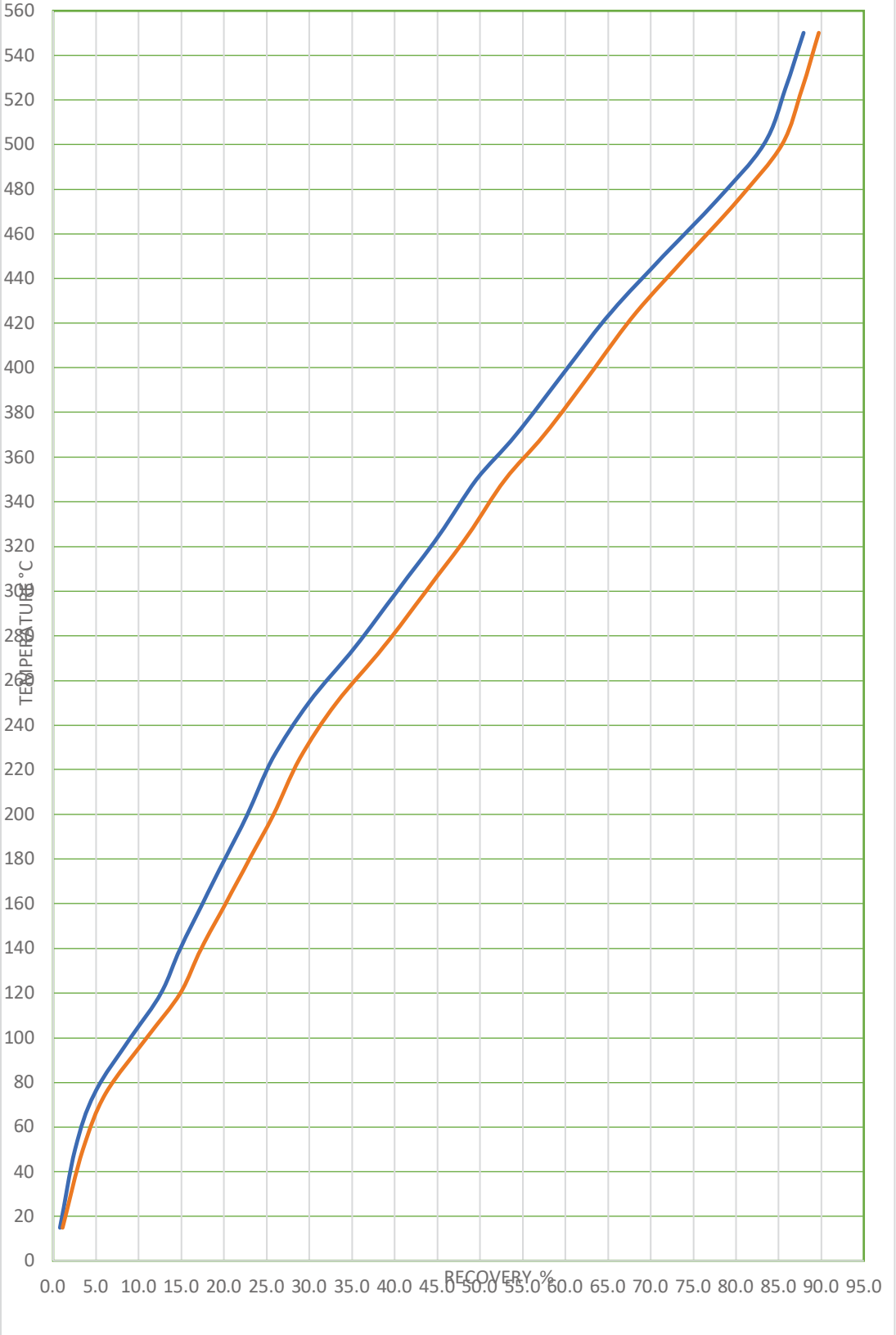
(ASTM D 2892 & ASTM D 5236)

Sample Descriptions / Label : ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Sl. No.	Method	Vapour Temperature °C	% Mass	Cumulative % Mass	% Volume	Cumulative % Volume
1	ASTM D2892	Gas	0.77	0.77	1.10	1.10
2		15 - 50	1.83	2.60	2.40	3.50
3		50 - 75	2.22	4.82	2.66	6.16
4		75 - 100	4.29	9.11	4.82	10.98
5		100 - 120	3.56	12.67	3.93	14.91
6		120 - 140	2.21	14.88	2.44	17.35
7		140 - 160	2.61	17.49	2.84	20.19
8		160 - 180	2.62	20.11	2.81	23.00
9		180 - 200	2.66	22.77	2.81	25.81
10		200 - 225	2.97	25.74	3.08	28.89
11		225 - 250	4.21	29.95	4.32	33.21
12		250 - 275	5.47	35.42	5.54	38.75
13		275 - 300	4.88	40.30	4.92	43.67
14		300 - 325	4.94	45.24	4.93	48.60
15		325 - 350	4.36	49.60	4.34	52.94
16		350 - 370	4.66	54.26	4.62	57.56
17	ASTM D5236	370 - 400	6.03	60.29	5.89	63.45
18		400 - 425	5.10	65.39	4.93	68.38
19		425 - 450	6.13	71.52	5.89	74.27
20		450 - 475	6.24	77.76	5.94	80.21
21		475 - 500	5.53	83.29	5.20	85.41
22		500 - 525	2.51	85.80	2.34	87.75
23		525 - 550	2.13	87.93	1.95	89.70
24		550 + Residue	12.07	100.00	10.30	100.00

LABORATORY REPORT NO. MUM/005426/2025

TRUE BOILING POINT DISTILLATION CURVE
(ASTM D 2892 & ASTM D 5236)



LABORATORY REPORT NO. MUM/005426/2025

SUMMARY OF PRODUCT / RESIDUE CUT POINTS AND YIELDS

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

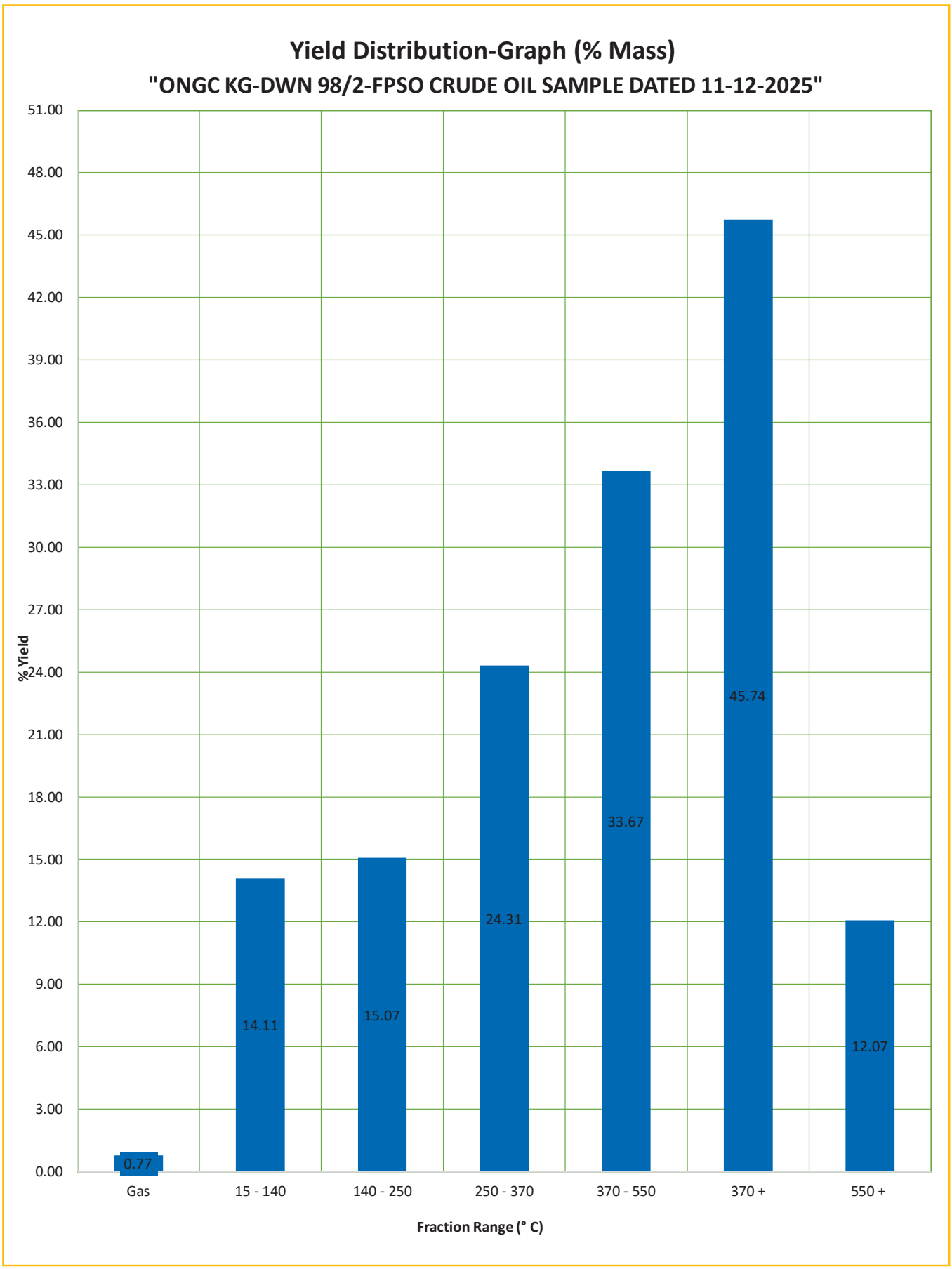
Products	Cut Points	Yield	
	(° C)	% Mass	Volume %
Gas	Below 15	0.77	1.10
Naphtha	15 - 140	14.11	16.25
Kerosene	140 - 250	15.07	15.86
Gas Oil	250 - 370	24.31	24.35
Vacuum Gas Oil	370 - 550	33.67	32.14
Residues	370 +	45.74	42.44
	550 +	12.07	10.30

LABORATORY REPORT NO. MUM/005426/2025

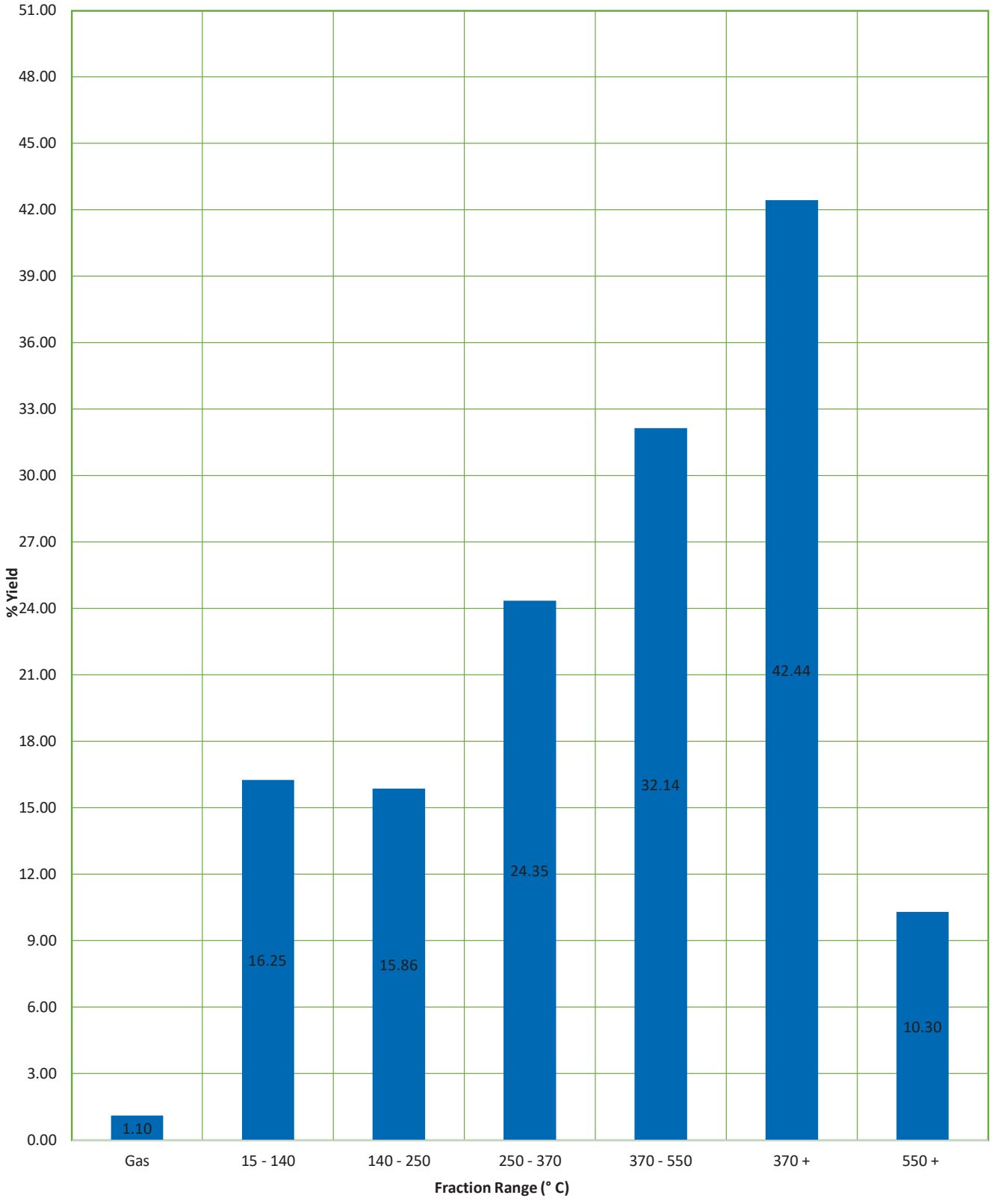
SUMMARY OF LIGHT END COMPOSITION

Sample Descriptions : ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Results
Yield	ASTM D 2892	% Wt.	0.77
Yield		% Vol.	1.10
Density @ 15°C	GC / Calculated	kg/L	0.5662
Methane	GC	% Wt.	<0.010
Ethane			0.486
Propane			31.646
i-butane			28.013
n-Butane			38.273
i-pentane			1.311
n-Pentane			0.271


Yield Distribution-Graph (% Mass)
"ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025"
% Yield
51.00
48.00
45.00
42.00
39.00
36.00
33.00
30.00
27.00
24.00
21.00
18.00
15.00
12.00
9.00
6.00
3.00
0.00
0.77
14.11
15.07
24.31
33.67
45.74
12.07
Gas
15 - 140
140 - 250
250 - 370
370 - 550
370 +
550 +
Fraction Range (° C)

Yield Distribution-Graph (% Volume)
"ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025"



LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Naphtha Cut
			Results
Initial BP		**°C**	**15**
Final BP		**°C**	**140**
Yield	ASTM D2892	% Wt.	14.11
		% Vol.	16.25
Density @ 15°C	ASTM D4052	kg/L	0.7310
Specific Gravity @ 60/60° F	Conversion		0.7312
API Gravity @ 60° F	Calculated	° API	62.0
Benzene	ASTM D5580	% Wt.	0.37
Paraffins	ASTM D6730	% Vol.	49.758
Olefins		% Vol.	0.887
Naphthene		% Vol.	44.099
Aromatics		% Vol.	5.255
Hydrogen Sulphide (Liquid Phase)	UOP163	ppm wt	<1
Mercaptan Sulphur	UOP 163	ppm wt	<3
Organic Chloride	ASTM D4929B	ppm wt	<1
Motor Octane Number	ASTM D2700	Rating	68
Doctor Test	IP 30		Negative
Copper Strip Corrosion	ASTM D130		1a
Reid Vapour Pressure @ 100° F	ASTM D5191	psi	6.2
Research Octane Number	ASTM D2699	Rating	70.1
Sulphur	ASTM D5453	% Wt.	0.0015
Distillation			
Initial Boiling Point	ASTM D86	°C	41.2
5% recovered		°C	64.3
10% recovered		°C	69.4
20% recovered		°C	76.0
30% recovered		°C	82.1
40% recovered		°C	87.8
50% recovered		°C	93.0
60% recovered		°C	97.8
70% recovered		°C	102.8
80% recovered		°C	108.9
90% recovered		°C	117.3
95% recovered		°C	124.5
Final Boiling Point		°C	137.8
Recovery		Vol %	99.1

Resdue		Vol %	0.50
Loss		Vol %	0.40

LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Kerosene Cut
			Result
Initial BP		**°C**	**140**
Final BP		**°C**	**250**
Yield	ASTM D2892	% Wt.	15.07
Yield		% Vol.	15.86
Density @ 15° C	ASTM D4052	kg/L	0.8033
Specific Gravity @ 60/60° F	Conversion		0.8037
API Gravity @ 60° F	Calculated	° API	44.6
Aromatics			
Mono	IP 391	% Wt.	11.5
Di		% Wt.	1.0
Tri		% Wt.	0.1
Poly		% Wt.	1.1
Basic Nitrogen	UOP 269	ppm wt	1.5
Flash Point (PMCC)	ASTM D93	°C	46.0
Freezing Point	ASTM D2386	°C	-53
Cold Filter Plugging Point	IP 309	°C	<-33
Aniline Point	ASTM D611	°C	60.3
Aniline Point & API Product	Calculation		6275
Saybolt Color	ASTM D156		+27
Cetane Index	ASTM D976	Rating	38.8
Diesel Index	IP 21	-	62.7
Copper Strip Corrosion	ASTM D130		1a
Smoke Point	ASTM D1322	mm	26
Total Nitrogen	ASTM D4629	ppm wt	6.5
Total Sulphur	ASTM D5453	% Wt	0.0160
Distillation			
Initial Boiling Point	ASTM D86	°C	145.6
5% recovered		°C	164.8
10% recovered		°C	167.5
20% recovered		°C	172.4
30% recovered		°C	177.6
40% recovered		°C	183.5
50% recovered		°C	190.1
60% recovered		°C	198.0
70% recovered		°C	206.5
80% recovered		°C	215.7
90% recovered		°C	226.4
95% recovered		°C	234.6
Final Boiling Point		°C	244.2
Recovery		Vol %	98.4
Resdue		Vol %	1.00
Loss		Vol %	0.60

LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Gas Oil Cut
			Results
Initial BP		**°C**	**250**
Final BP		**°C**	**370**
Yield	ASTM D2892/D5236	% Wt.	24.31
Yield		% Vol.	24.35
Density @ 15° C	ASTM D4052	kg/L	0.8438
Specific Gravity @ 60/60° F	Conversion		0.8442
API Gravity @ 60° F	Calculated	° API	36.1
Aromatics			
Mono	IP 391	% Wt.	13.1
Di		% Wt.	5.2
Tri		% Wt.	0.7
Poly		% Wt.	5.9
Carbon Residue- Micro	ASTM D4530	% Wt	<0.10
Basic Nitrogen	UOP 269	ppm wt	28
Flash Point (PMCC)	ASTM D93	°C	>110.0
Kinematic Viscosity @ 40°C	ASTM D445	cSt	4.359
Kinematic Viscosity @ 50°C	ASTM D445	cSt	3.633
Pour Point	ASTM D97	°C	6
Cloud Point	ASTM D2500	°C	8
Aniline Point	ASTM D611	°C	79.0
Cetane Index	ASTM D976	Rating	54.7
Diesel Index	IP 21	-	63.0
Total Acid Number	ASTM D664	mg KOH/g	0.15
Total Nitrogen	ASTM D4629	ppm wt	58
Total Sulphur	ASTM D4294	% Wt	0.0471
Water Content	ASTM D6304	ppm	52
Sediment by Extraction	ASTM D473	% Wt	<0.01
Wax Content	UOP 46*	% Wt	10.1
Distillation			
Initial Boiling Point	ASTM D86	°C	261.1
5% recovered		°C	270.2
10% recovered		°C	273.8
20% recovered		°C	277.9
30% recovered		°C	283.0
40% recovered		°C	289.1
50% recovered		°C	296.2
60% recovered		°C	304.0
70% recovered		°C	313.4
80% recovered		°C	324.7
90% recovered		°C	338.5
95% recovered		°C	347.9
Final Boiling Point		°C	352.4
Recovery		Vol %	98.4
Resdue		Vol %	1.0
Loss		Vol %	0.60

Note: (*) Withdrawn method

LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	VGO Cut
			Results
Initial BP		**°C**	**370**
Final BP		**°C**	**550**
Yield	ASTM D2892/D5236	% Wt.	33.67
Yield		% Vol.	32.14
Density @ 15° C	ASTM D4052	kg/L	0.8852
Specific Gravity @ 60/60° F	Conversion		0.8857
API Gravity @ 60° F	Calculated	° API	28.3
Carbon Residue- Micro	ASTM D4530	% Wt	<0.10
Kinematic Viscosity @ 70°C	ASTM D445	cSt	13.17
Kinematic Viscosity @ 100°C	ASTM D445	cSt	6.426
Metals			
Copper	ICPOES	ppm wt	<1
Iron	ICPOES	ppm wt	<1
Nickel	ICPOES	ppm wt	<1
Zinc	ICPOES	ppm wt	<1
Vanadium	ICPOES	ppm wt	<1
Pour Point	ASTM D97	°C	48
Total Nitrogen	ASTM D5762	ppm wt	500
Total Sulphur	ASTM D4294	% Wt	0.0491
Wax Content	UOP 46*	% Wt.	45.8
Distillation			
Initial Boiling Point	ASTM D1160	°C	367
5% recovered		°C	405
10% recovered		°C	413
20% recovered		°C	419
30% recovered		°C	429
40% recovered		°C	437
50% recovered		°C	445
60% recovered		°C	452
70% recovered		°C	461
80% recovered		°C	483
90% recovered		°C	499
95% recovered		°C	514
AET @ 400 °C Kettle Temperature		°C	535
Recovery @ 400°C Kettle Temp.		Vol %	99.0

Note: (*) Withdrawn method

LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions: ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

Tests	Methods	Units	Residue Cut	
			Results	
Initial BP		**°C**	**370 + Residue**	**550 + Residue**
Final BP		**°C**		
Yield	ASTM D2892/D5236	% Wt.	45.74	12.07
Yield		% Vol.	42.44	10.30
Density @ 15° C	IP 365	kg/L	0.9105	0.9910
Specific Gravity @ 60/60° F	Conversion		0.9110	0.9916
API Gravity @ 60° F	Calculated	° API	23.8	11.2
Asphaltene	IP 143	% Wt.	<0.50	<0.50
Carbon Residue- Micro	ASTM D4530	% Wt.	3.51	12.8
Kinematic Viscosity @ 70°C	ASTM D445	cSt	29.88	#
Kinematic Viscosity @ 100°C			12.92	273.9
Kinematic Viscosity @ 135°C				58.62
Metals				
Copper	ICPOES	ppm wt	<1	<1
Iron			10	38
Nickel			8	33
Zinc			<1	<1
Vanadium			<1	2
Pour Point	ASTM D97	°C	48	72
Aniline Point	ASTM D611	°C	103.1	
Total Sulphur	ASTM D4294	% Wt.	0.0756	0.148
Basic Nitrogen	UOP 269	ppm wt	560	1600
Total Nitrogen	ASTM D5762	ppm wt	1400	3900
Wax Content	UOP 46*	% Wt.	40.8	
Initial boiling point	ASTM D1160	°C	383	
AET @ 5% Recovery		°C	409	
AET @ 10% Recovery		°C	418	
AET @ 20% Recovery		°C	427	
AET @ 30% Recovery		°C	437	
AET @ 40% Recovery		°C	448	
AET @ 50% Recovery		°C	460	
AET @ 60% Recovery		°C	477	
AET @ 70% Recovery		°C	508	
AET @ 80% Recovery		°C	560	
AET @ 400 °C Kettle Temperature		°C	578	
Recovery @ 400°C Kettle Temp.		Vol %	83.7	

Note: (*) Withdrawn method

LABORATORY REPORT NO. MUM/005426/2025

Sample Descriptions / Label : ONGC KG-DWN 98/2-FPSO CRUDE OIL SAMPLE DATED 11-12-2025

COMPOSITION UP TO C9

Component	Mass %	Volume %
propane	0.0555	0.1109
i-butane	0.1338	0.2401
n-butane	0.4726	0.8165
i-pentane	0.7049	1.1377
n-pentane	0.7666	1.2243
2,2-dimethylbutane	0.0171	0.0263
cyclopentane	0.1748	0.2345
2,3-dimethylbutane	0.1000	0.1512
2-methylpentane	0.4750	0.7273
3-methylpentane	0.2825	0.4253
n-hexane	0.5929	0.8992
unknown	0.0102	0.0146
2,2-dimethylpentane	0.0135	0.0200
methylcyclopentane	0.7948	1.0617
2,4-dimethylpentane	0.0320	0.0476
benzene	0.0579	0.0658
cyclohexane	1.2545	1.6114
2-methylhexane	0.1813	0.2672
2,3-dimethylpentane	0.0960	0.1381
1,1-dimethylcyclopentane	0.0601	0.0797
3-methylhexane	0.1975	0.2875
1c,3-dimethylcyclopentane	0.1973	0.2649
unknown	0.1926	0.2752
1t,3-dimethylcyclopentane	0.0249	0.0333
1t,2-dimethylcyclopentane	0.3338	0.4442
n-heptane	0.5672	0.8295
1,1,3-trimethylcyclopentane	0.0548	0.0732
methylcyclohexane	1.7135	2.2270
2,2-dimethylhexane	0.0802	0.1154
ethylcyclopentane	0.1443	0.1883
2,5-dimethylhexane	0.0206	0.0297
2,4-dimethylhexane	0.0320	0.0457
1c,2t,4-trimethylcyclopentane	0.1208	0.1582
3,3-dimethylhexane	0.0101	0.0142
1t,2c,3-trimethylcyclopentane	0.1519	0.1971
toluene	0.5154	0.5945
2,3-dimethylhexane	0.0293	0.0411
2-methyl-3-ethylpentane	0.0654	0.0919
2-methylheptane	0.2637	0.3779
4-methylheptane	0.0454	0.0644
3,4-dimethylhexane	0.0109	0.0151
3-methylheptane	0.0958	0.1357
1t,4-dimethylcyclohexane	0.0120	0.0157
1c,2t,3-trimethylcyclopentane	0.4639	0.6022
unknown	0.0313	0.0447
1,1-dimethylcyclohexane	0.1539	0.1971
3c-ethylmethylcyclopentane	0.0478	0.0623
3t-ethylmethylcyclopentane	0.0688	0.0897
2t-ethylmethylcyclopentane	0.0628	0.0817

Component	Mass %	Volume %
1,1-methylethylcyclopentane	0.1635	0.2094
1t,2-dimethylcyclohexane	0.0120	0.0155
1c,2c,3-trimethylcyclopentane	0.2761	0.3543
n-octane	0.5389	0.7671
1c,4-dimethylcyclohexane	0.0271	0.0346
unknown	0.1238	0.1768
2,4,4-trimethylhexane	0.0211	0.0286
2,2,3,4-tetramethylpentane	0.0140	0.0189
unknown	0.0226	0.0323
N3	0.0112	0.0144
2,2-dimethylheptane	0.0196	0.0276
N4	0.0656	0.0841
ethylcyclohexane	0.0438	0.0558
2,4-dimethylheptane	0.5061	0.7076
4,4-dimethylheptane	0.1541	0.2155
2,5-dimethylheptane	0.0376	0.0525
3,3-dimethylheptane	0.0287	0.0395
3,5-dimethylheptane	0.0269	0.0372
2,6-dimethylheptane	0.0336	0.0474
1,1,3-trimethylcyclohexane	0.0246	0.0312
ethylbenzene	0.0774	0.0892
unknown	0.0775	0.1107
1c,2t,4t-trimethylcyclohexane	0.0954	0.1223
I3	0.0137	0.0187
1,3-dimethylbenzene	0.1555	0.1799
1,4-dimethylbenzene	0.1835	0.2132
N13	0.0542	0.0695
unknown	0.0183	0.0262
unknown	0.0144	0.0205
4-methyloctane	0.0416	0.0578
2-methyloctane	0.0855	0.1198
1c,2t,3-trimethylcyclohexane	0.0247	0.0326
3-ethylheptane	0.0135	0.0186
3-methyloctane	0.1124	0.1560
3,4-dimethylheptane-[1]	0.0132	0.0180
1c,2t,4c-trimethylcyclohexane	0.0145	0.0187
unknown	0.0136	0.0194
1,2-dimethylbenzene	0.0783	0.0890
unknown	0.0196	0.0281
unknown	0.0105	0.0150
I6	0.0667	0.0914
N18	0.1553	0.1990
I8	0.0916	0.1254
unknown	0.0162	0.0232
N21	0.0141	0.0181
N22	0.02	0.0256
i-butylcyclopentane	0.0129	0.0166
n-nonane	0.5299	0.7384

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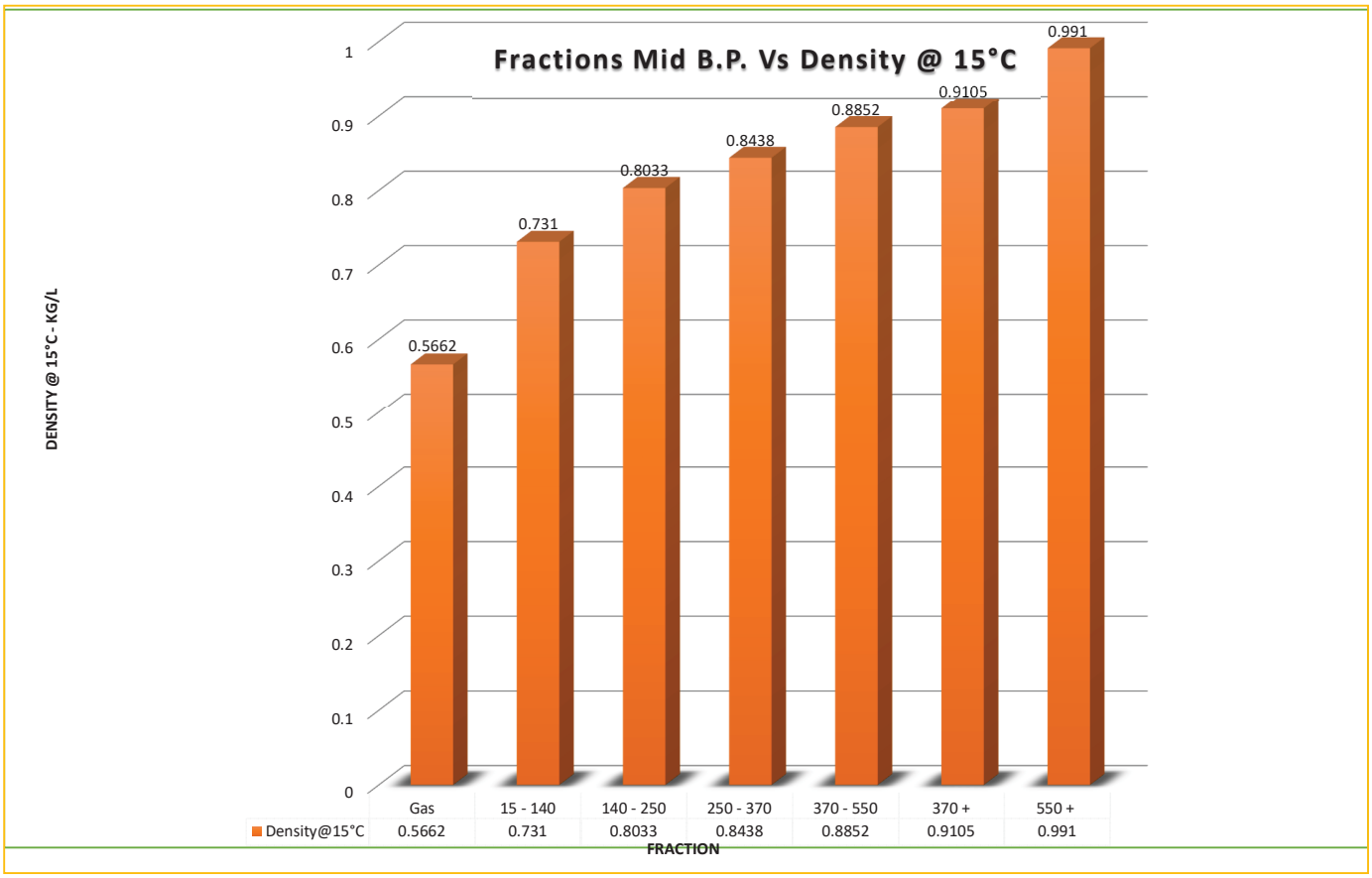

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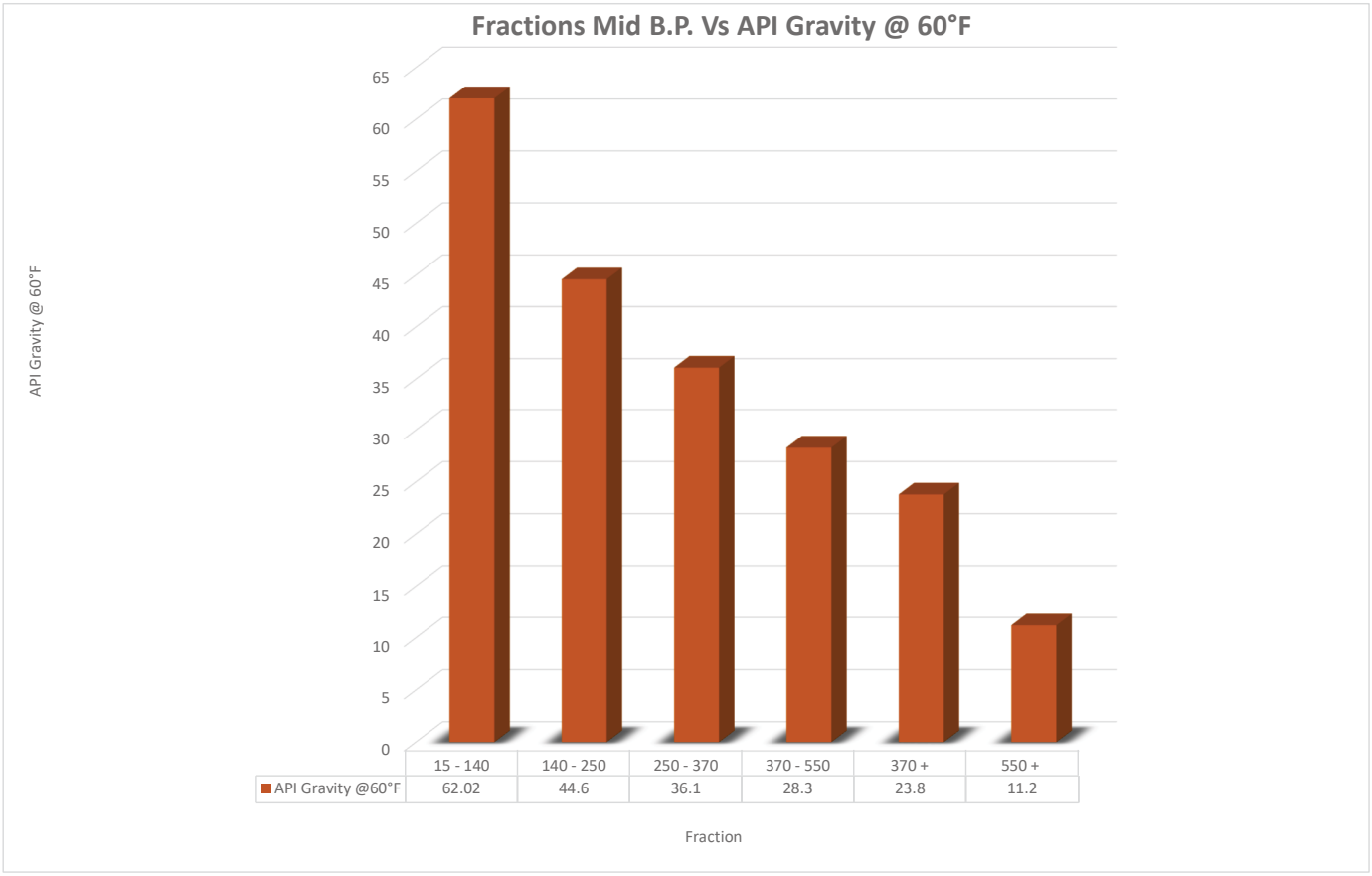

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