

Crude Summary Report

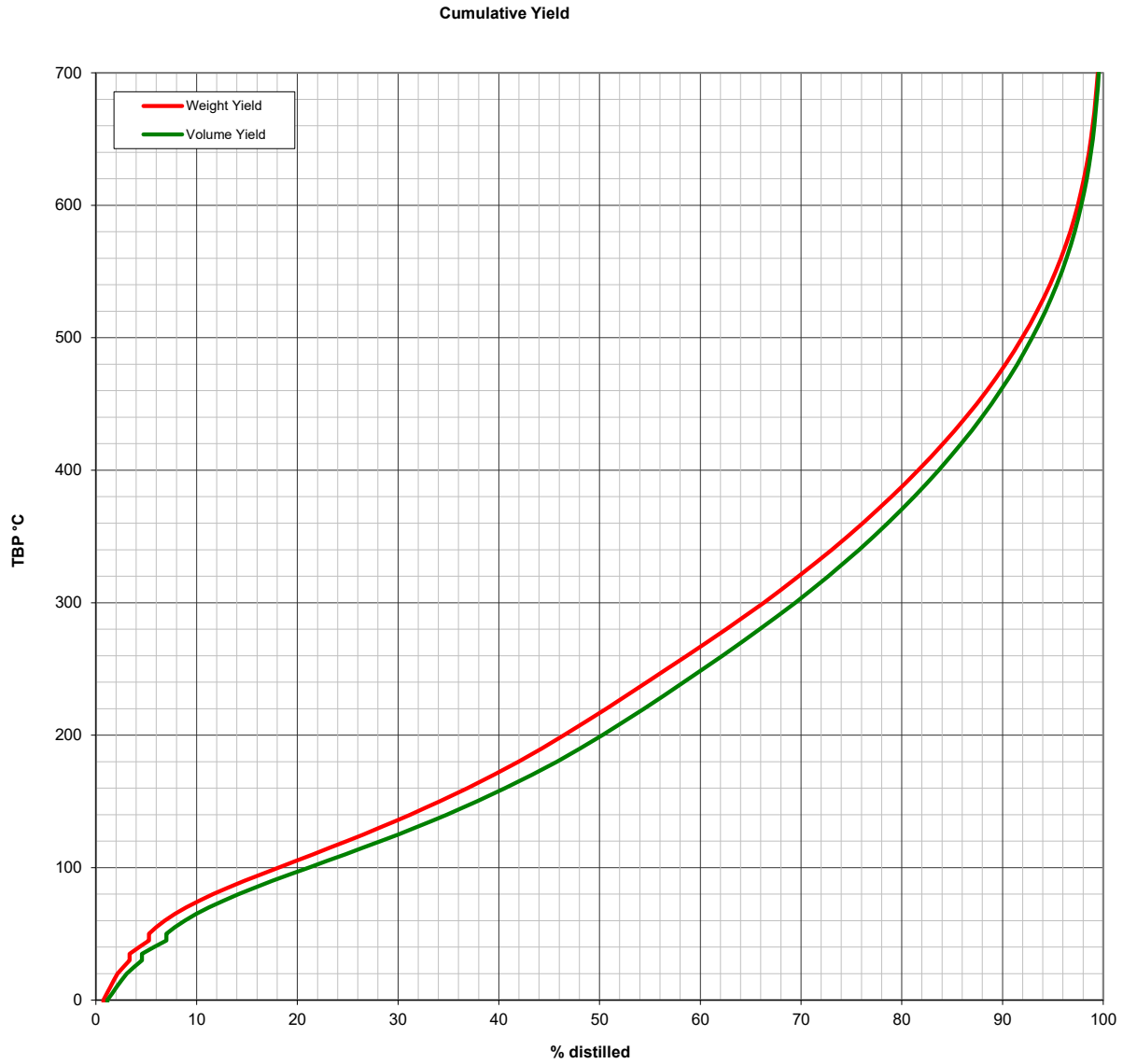
General Information		Molecules (%wt on crude)										Whole Crude Properties			
Reference:	WTLEX26Y	methane + ethane	0.02	Density @ 15°C (g/cc)	0.7906										
Name:	WTI Light - Export	propane	0.44	API Gravity	47.4										
Origin:	Texas	isobutane	0.32	Total Sulfur (% wt)	0.07										
Assay Date:	2/27/2026	n-butane	1.39	Pour Point (°C)	-25										
Comments:		isopentane	1.34	Viscosity @ 20°C (cSt)	2.6										
		n-pentane	2.02	Viscosity @ 40°C (cSt)	1.8										
		cyclopentane	0.18	Nickel (ppm)	0.1										
		C6 paraffins	3.68	Vanadium (ppm)	0.1										
		C6 naphthenes	2.49	Total Nitrogen (ppm)	113										
		benzene	0.33	Total Acid Number (mgKOH/g)	0.05										
		C7 paraffins	3.65	Mercaptan Sulfur (ppm)	17.5										
		C7 naphthenes	4.48	Hydrogen Sulfide (ppm)	0.0										
		toluene	1.04	Reid Vapor Pressure (kPa)	54.8										

Cut Data		Atmospheric Cuts										Vacuum Cuts				
Start (°C)	IBP	IBP	C5	65	100	150	200	250	300	350	370	370	450	500	550	
End (°C)	FBP	C4	65	100	150	200	250	300	350	370	FBP	450	500	550	FBP	
Yield (% wt)		2.2	6.0	10.2	15.8	12.2	10.2	9.6	8.3	3.0	22.4	9.9	4.5	3.3	4.7	
Yield (% vol)		3.0	7.4	11.0	16.5	12.3	10.0	9.1	7.8	2.7	20.1	9.0	4.0	2.9	4.1	
Cumulative Yield (% wt)		2.2	8.2	18.4	34.2	46.5	56.7	66.3	74.6	77.6	100.0	87.4	92.0	95.3	100.0	
Volume Average B.P. (°C)	234		42.6	84	124	174	225	275	324	360	481	408	474	524	619	
Density @ 15°C (g/cc)	0.7906		0.6440	0.7274	0.7552	0.7808	0.8051	0.8301	0.8409	0.8566	0.8816	0.8676	0.8825	0.8899	0.9055	
API Gravity	47.4		88.2	63.0	55.8	49.7	44.2	38.9	36.7	33.6	28.9	31.5	28.8	27.4	24.7	
UOPK	12.26				11.84	11.91	11.97	11.98	12.18	12.19	12.56	12.33	12.50	12.67	12.93	
Molecular Weight (g/mol)					109	138	172	212	261	299	472	358	469	599	982	
Total Sulfur (% wt)	0.07		0.003	0.003	0.007	0.018	0.019	0.027	0.096	0.145	0.220	0.134	0.163	0.244	0.437	
Mercaptan Sulfur (ppm)	17.5			7.4	7.6	18.5	18.0	10.1								
Total Nitrogen (ppm)	113						1	4	36	93	477	186	353	485	1199	
Basic Nitrogen (ppm)	32						1	3	10	20	133	49	103	147	327	
Total Acid Number (mgKOH/g)	0.05		0.00	0.00	0.00	0.00	0.01	0.03	0.08	0.12	0.15	0.16	0.18	0.16	0.07	
Viscosity @ 20°C (cSt)	2.56					1.36										
Viscosity @ 40°C (cSt)	1.76					1.05	1.64	2.91	5.86	10.4						
Viscosity @ 50°C (cSt)	1.50						1.43	2.43	4.63	7.83	48.9	16.5	47.3	101		
Viscosity @ 60°C (cSt)											32.9	12.0	31.8	64.2		
Viscosity @ 100°C (cSt)											10.0	4.70	9.72	16.6	63.6	
Viscosity @ 130°C (cSt)															25.4	
Viscosity @ 150°C (cSt)															15.7	
RON (Clear)			75.0	42.8	60.7	29.6										
MON (Clear)			72.6	60.3	58.4	28.5										
Paraffins (% wt)	42.6		96.6	56.0	32.8	50.0										
Naphthenes (%wt)	44.8		3.4	40.6	52.5	37.0										
Aromatics (% wt)	12.4		0.0	3.3	14.7	13.0										
Pour Point (°C)	-25							-46	-24	-1	10	18	25	42	51	12
Cloud Point (°C)								-44	-21	1						
Freeze Point (°C)								-55	-39	-17						
Smoke Point (mm)								31	29	25						
Cetane Index (D4737A)								42	52	58	70	74				
Naphthalenes (% vol)								0.0	0.9	2.6	3.4					
Aniline Point (°C)					55.7	59.6	65.5	74.5	83.4	89.4		97.9	106.2	110.5		
Hydrogen (% wt)	14.4		16.6	15.2	14.1	14.4	14.3	14.1	14.0	13.8		13.6	13.6	13.6		
Total Wax (% wt)	11.5										15.7	20.4	18.2	13.6	4.9	
C7 Asphaltenes (% wt)	0.0										0.1	0.0	0.0	0.0	0.7	
Micro Carbon Residue (% wt)	0.1										0.5	0.0	0.1	2.4		
Vanadium (ppm)	0.1										0.5	0.0	0.0	2.5		
Nickel (ppm)	0.1										0.3	0.0	0.0	1.6		
Iron (ppm)	1.0										3.7	0.0	0.0	17.8		
Sodium (ppm)	0.1															
Mercury (ppb)	1.0															
Arsenic (ppb)	5															

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Reference: **WTLEX26Y**
 Crude: **WTI Light - Export**

Yield Distribution



Cumulative Volume % Distilled at 10 Degree C (TBP) Intervals

	0	10	20	30	40	50	60	70	80	90
0				4.6	5.8	7.0	8.8	11.2	14.2	17.5
100	21.1	24.7	28.3	31.7	34.8	37.8	40.6	43.3	45.8	48.1
200	50.3	52.4	54.4	56.4	58.4	60.3	62.2	64.1	65.9	67.7
300	69.4	71.1	72.7	74.3	75.8	77.2	78.6	79.9	81.2	82.5
400	83.7	84.8	85.9	87.0	88.0	88.9	89.8	90.7	91.5	92.2
500	92.9	93.6	94.3	94.8	95.4	95.9	96.4	96.8	97.2	97.5