Hondo Monterey

Origin: California, USA

Data from OGJ 99 were originally published in 1992.

			Reference ID
API Gravity			
		18.3	ESD 98
		19.4	OGJ 99
Sulphur (weight %)			
Evaporation (weight %)			
0		4.70	OGJ 99
		4.34	ESD 99
9		4.41	
18		4.70	
Flash Point (°C)			
Evaporation (weight %)			
0		-12	ESD 98
9		59	
18		>100	
Density (g/mL)			
Evaporation (weight %)	Temperature (°C)		
0	0	0.9556	ESD 98
	15	0.9377	OGJ 99
		0.9435	ESD 98
	25	0.9375	
9	0	0.9826	
	15	0.9705	
	25	0.9640	
18	0	1.0034	
	15	0.9917	
	25	0.9876	
Pour Point (°C)			
Evaporation (weight %)			
0		-23	OGJ 99
		-9	ESD 98
9		4	
18		25	
Dynamic Viscosity (mPa s or cP)			
Evaporation (weight %)	Temperature (°C)		
0	0	8064	ESD 98
	15	1599	
	25	696	
9	0	200000	
	15	17880	
	25	6527	
18	0	NM	
	15	1867000	
	25	354600	

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				Reference ID
Kinematic Viscosity (mm²/s or cSt)				
	Temperature (°C)			
	16	1034		OGJ 99
Hydrocarbon Groups (weight %)				
Evaporation (weight %)				
0	Saturates	34		ESD 99
	Aromatics	31		
	Resins	20		
	Asphaltenes	15		
	Waxes	1.7		ESD 01
9	Saturates	25		ESD 99
	Aromatics	35		
	Resins	22		
	Asphaltenes	17		
	Waxes	2		ESD 01
18	Saturates	21		ESD 99
	Aromatics	33		
	Resins	23		
	Asphaltenes	23		
	Waxes	2.1		ESD 01
Adhesion (g/m²)				
Evaporation (weight %)				
0		86	SD = 13	ESD 98
9		139	SD = 15	
18		1187	SD = 238	
Volatile Organic Compounds (ppm)				
Evaporation (weight %)				
0	Benzene	934		ESD 99
	Toluene	2080		
	Ethylbenzene	1231		
	Xylenes	2323		
	C3-benzenes	3437		
	Total BTEX	6568		
	Total VOCs	10005		
9	Benzene	69		
	Toluene	808		
	Ethylbenzene	746		
	Xylenes	1563		
	C3-benzenes	2932		
	Total BTEX	3186		
	Total VOCs	6118		
18	Benzene	29		
	Toluene	4		
	Ethylbenzene	0		
	Xylenes	1		
	C3-benzenes	6		
	Total BTEX	35		
	Total VOCs	42		

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Surface Tension (mN/m or dynes/cm)

Evaporation (weight %)	Temperature (°C)		Reference ID
0	0	33.4	ESD 00
	15	29.3	ESD 98
	25	28.2	ESD 00
9	0	NM	
	15	45.5	ESD 98
	25	29.7	ESD 00
18	0	NM	
	15	NM	ESD 98
	25	NM	ESD 00

Oil/Salt Water Interfacial Tension (mN/m or dynes/cm)

Evaporation (weight %)	Temperature (°C)		
0	0	NM	ESD 00
	15	24.1	ESD 98
	25	12.0	ESD 00
9	0	NM	
	15	NM	ESD 98
	25	NM	ESD 00
18	0	NM	
	15	NM	ESD 98
	25	NM	ESD 00

Oil/Fresh Water Interfacial Tension (mN/m or

Evaporation (weight %)	Temperature (°C)		
0	0	NM	ESD 00
	15	24.6	ESD 98
	25	NM	ESD 00
9	0	NM	
	15	NM	ESD 98
	25	NM	ESD 00
18	0	NM	
	15	NM	ESD 98
	25	NM	ESD 00

Boiling Point Distribution (BP vs weight %)

Evaporation (weight %)	Boiling Point (°C)	Weight %	
0	40	0.7	ESD 01
	60	1.1	
	80	1.9	
	100	3.2	
	120	4.3	
	140	5.7	
	160	7.2	
	180	8.7	
	200	10.2	
	250	14.7	
	300	19.7	
	350	25.4	
	400	31.1	
	450	37.7	
	500	44.7	
	550	53.8	

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			Reference ID
Boiling Point Distribution (BP vs weight %)			
Evaporation (weight %)	Boiling Point (°C)	Weight %	
0	600	61.7	ESD 01
	650	68.7	
9	40	0.1	
	60	0.3	
	80	0.4	
	100	0.5	
	120	0.9	
	140	1.6	
	160	2.8	
	180	4.3	
	200	5.9	
	250	10.9	
	300	16.4	
	350	22.7	
	400	29.1	
	450	36.4	
	500	44.2	
	550	54.3	
	600	63	
	650	70.7	
18	40	0.1	
	60	0.3	
	80	0.4	
	100	0.4	
	120	0.4	
	140	0.4	
	160	0.5	
	180	0.5	
	200	0.6	
	250	3.4	
	300	8.9	
	350	15.8	
	400	22.8	
	450	30.9	
	500	39.6	
	550	50.8	
	600	60.5	
	650	68.9	
Yield on Crude			
	Boiling Range (°C)		
Weight %	C1-C5	1	OGJ 99
Volume %	20-175	15	
	175-295	15	
	295-343	6	
	343-565	25	
	565-816	39	
Other Elements (weight %)			
	Nitrogen	1	OGJ 99

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