



Crude

AL JURF

Country

Libya

TBP
DISTILLATION

				°C	wt %	vol %	°C	wt %	vol %
		Assay		28-Feb-11					
Density at 15 °C, kg/m3	873.0			015	0.54	0.24			
° API	30.49			080	3.93	5.01			
Bbl/mt	7.22			150	12.96	15.55			
Viscosity, cSt at 10 °C	53.3			230	26.72	30.63			
Viscosity cst at 50°C	6.5			325	45.25	49.75			
Pour Point, °C	+6/-9			350	50.17	54.64			
Wax content, wt%				375	54.70	59.10			
Wax Appearance Temp °C				550	78.98	82.14			
R V P at 37.8 °C, kPa	19.3			565	81.11	84.10			
Water %vol		Ethane		wt %	vol %				
BSW %vol		Propane							
NaCl mg/kg		Iso-Butane							
Sulphur, wt %	1.84	n-Butane							
Mercaptan sulphur, mg/kg	57								
Hydrogen sulphide, mg/kg	<0.1								
Acidity mg KOH/g	0.05								
Nickel, mg/kg	16								
Vanadium, mg/kg	28								
Nitrogen, wt%	0.1200								

Cumulative volume yields given after subtraction of volume expansion

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cut °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	RSH %wt	RON clear	RON 0,15g/l	MON clear	MON 0,15g/l	Napht %vol	Aro %Vol	RVP kPa			Benz %vol
	15-65															
	15-80	3.39	4.77	620	0.0160		70.8	78.2	70.1	77.6		0.6				0.1
HEAVY NAPHTHA	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %						Napht %vol	Aro %vol				
	80-150	9.03	10.54	748	0.0160						31.5	10.3				
	80-175	13.17	15.17	758	0.0276						32.0	8.6				
	100-150	6.45	7.53	748	0.0160						32.0	8.9				
KEROSENE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	RSH mg/kg	Smoke Point	Acid. mg/g	Cetane Calc	Freeze Pt °C	Naphtal. %vol	Aro. %vol	Saybolt Color	Visc cst 50 °C		Flash Point
	150-230	13.76	15.08	797	0.121		24		41.3	-60.0		18.4				
	175-230	9.62	10.44	804	0.150				43.8							
	150-250	17.66	19.10	807	0.344				41.6							
GASOIL	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %		Anilin Pt C	Cetane	Cetane Calc.	Cloud Pt °C	CFPP °C	Pour Pt °C	Visc cst 50 °C	Visc cst 100 °C	KUOP	Flash Point
	175-400	41.07	42.21	849	1.209				51.4	2	-0.4	-2				
	230-400	31.45	31.76	864	1.533				50.7	5	3.0	1				
	230-375	27.98	28.47	858	1.437				51.1	-1	-3.0	-5				
VACUUM DISTILLATE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	Conrad wt %	Anilin Pt C	Ni mg/kg	V mg/kg	Total N wt %	Bas N wt%	Pour Pt C	Visco cSt 100 °C	Visco cst 150°C	KUOP	Asp. C7 %wt
	375-550	24.28	23.03	920	2.31	0.50				0.1200	0.0349				11.94	
	375-565	26.41	25.00	922	2.31											
	375-580															
	400-565	22.94	21.71	922	2.31											
RESIDUE	Cuts °C	Yield wt %	Yield vol %	Dens 15°C kg/m3	S wt %	Conrad wt %	Asp C5 %wt	Ni mg/kg	V mg/kg	Total N wt %	Pene	Pour Pt °C	Visco cSt 100 °C	Visco cSt 150 °C		Asp. C7 wt %
	> 375	45.30	40.90	967	3.03							33	39	13820		
	> 550	21.02	17.86	1027	3.87	23.4		79.3	146.7	0.4200		63	1440	106		9.9
	> 565	18.89	15.90	1038	4.04							66	2235	82		
	> 580															

* estimated value

Total DTS/AM

Mar-11

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