



Crude **CONDENSATE ICHTHYS**

Country Australia

TBP
DISTILLATION

Density at 15°C, kg/m3	786.1	Assay Date	25-Apr-19	°C	wt%	vol%	°C	wt%	vol%
°API	48.4			080	10.2	12.3	460	97.1	97.4
Bbl/mt	8.017			090	12.7	15.0	480	98.1	98.3
Acidity, mg KOH/g	0.05			100	15.9	18.4	500	98.8	98.9
Sulphur, wt%	0.01			120	24.7	27.5	520	99.3	99.4
Hydrogen Sulphide, mg/kg	0			140	36.4	39.4	540	99.6	99.7
Mercaptan Sulphur, mg/kg	0			160	45.8	48.8	560	99.8	99.8
Viscosity, cSt at 10 °C	2.0			180	52.6	55.6	580	99.9	99.9
50 °C	1.1			200	58.3	61.1			
Pour Point, °C	6			220	62.8	65.5			
Total Nitrogen, wt%	0.00			240	67.0	69.5			
Wax, wt%	-			260	71.1	73.4			
Wax Appearance Temperature, °C	-			280	75.1	77.2			
RVP at 37.8 °C, kPa	28			300	79.0	80.8			
Water, vol%	-	320	82.6	84.2					
NaCl, mg/kg	-	340	86.1	87.4					
Nickel, mg/kg	0.0	360	89.3	90.4					
Vanadium, mg/kg	0.0	380	91.6	92.4					
Iron, mg/kg	0.5	400	92.6	93.4					
Mercury, µg/kg	<5	420	94.2	94.8					
Arsenic, µg/kg	<4	440	95.8	96.3					

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP			
	°C	wt%	vol %	kg/m3	wt%	mg/kg	clear	clear			vol%	vol%	kPa			
	15-65	5.7	6.9	654	0.00	0	74.5	72.7			8.5	0.7	-			
	15-80	8.4	9.8	671	0.00	0	71.4	69.5			15.2	2.7	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	31.6	32.5	762	0.00	0					32.1	22.1				
80-175	40.8	41.7	767	0.00	0					30.8	23.1					
100-150	25.9	26.4	768	0.00	0					31.4	23.9					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	23.1	22.8	795	0.00	0	23	0.03	39.7	-55		26.7	1.0			53.3
	175-230	13.9	13.6	801	0.00	0	23	0.04	43.3	-48		26.8	1.1			67.5
150-250	27.2	26.7	799	0.00	0	23	0.03	41.2	-50		26.4	1.1			55.3	
GASOIL	Cuts	Yield	Yield	Den 15°C	S		Anilin		Cetane	Cloud Pt	CFPP	Pour Pt	Visc cSt	Visc cSt	UOPK	Flash
	°C	wt%	vol %	kg/m3	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	41.6	39.4	827	0.01		74		52.9	-2	-5	-8	2.1	1.1	12.0	82.2
	230-400	27.7	25.8	841	0.02		80		59.0	7	7	6	3.0	1.4	12.0	104.1
230-375	26.3	24.5	840	0.02		79		58.5	5	4	3	2.9	1.3	12.0	103.4	
VACUUM DISTILLATE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Anilin	Ni	Va	Total N	Bas N	Pour Pt	Visc cSt	Visc cSt	UOPK	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	Point °C	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		wt %
	375-550	8.5	7.7	867	0.03	0.0	104	0	0	0.02	174	50	4.8	2.1	12.5	-
	375-565	8.6	7.8	868	0.03	0.0	104	0	0	0.02	180	51	4.9	2.1	12.5	-
	375-580	8.7	7.9	868	0.03	0.0	104	0	0	0.02	183	51	4.9	2.2	12.5	-
400-580	7.3	6.5	871	0.03	0.0	106	0	0	0.02	214	53	5.6	2.4	12.6	-	
RESIDUE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	Va	Total N		Pour Pt	Visc cSt	Visc cSt	Pene	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%
	> 375	8.8	7.9	869	0.03	0.0	0.1	0	0	0.02		61	5	2	-	-
	> 550	0.3	0.2	917	0.09	0.1	0.1	1	1	0.05		31	53	12	5270	-
	> 565	0.2	0.1	923	0.11	0.1	0.1	1	1	0.05		25	79	15	4320	-
> 580	0.1	0.1	930	0.12	0.1	0.1	2	1	0.06		21	124	20	3580	-	

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