

INDEPENDENT PETROLEUM LABORATORY LTD

Specialists in Fuels and Environmental Analysis

BP Avgas Test Report / Batch Certificate

Location	Pago Pago	After Ship	Chehalis
Tank Number	B-8	Voyage Number	Unknown
Customer Reference	Unknown	Supplier	Unknown
Batch Number	Unknown	Date Drawn	03-May-09
Quantity in Tank :- (litres)		Date for Retest	Not Applicable
		Before	
		After	

Report Number / COQ Numbers
Batch Number

Properties	Units	Notes	Maximum	Spec
		Unknown	Difference	Limits
10% Evap Temp + 50% Evap Temp	°C	183.0	10	min 135

Method	Properties	Units	Notes	Maximum	Spec
D4052	Density @ 15°C	kg/L	0.7448	0.003	
D86A	Initial Boiling Point	°C	32.6	(2)	8
	10% Volume Evaporated @	°C	64.2	4	max 75
	40% Volume Evaporated @	°C	109.1	6	min 75
	50% Volume Evaporated @	°C	118.8	6	max 105
	90% Volume Evaporated @	°C	176.7	6	max 135
	Final Boiling Point	°C	202.8	10	max 170
	Recovered %vol	%vol	97.8	-	min 97
	Residue %vol	%vol	1.0	-	max 1.5
	Loss %vol	%vol	1.2	-	max 1.5
D5191	DvPE kPa	kPa	54.5	4.5	38 - 49
D4176	Appearance @ Ambient Temperature	-	Clear and Bright	(1)	Clean and Bright
Visual	Colour	-	Pale Yellow	(1)	Green
D130	Copper Strip @100°C	-	1a	-	max 1
D1094	Change in Water Volume	mL	0.0	-	-2 - 2
D381	Interface Condition	-	1b	-	
IP270	Existent Gum Lead	mg/100mL g/L	5	3	max 3
			0.343	0.05	max 0.85

Certified that this sample has been tested as received in accordance with current editions of ASTM and IP methods and FAILS to MEET the requirements of Specification DEF STAN 91-90, Issue 2, (DERD 2485), with respect to the results given above.

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Notes:

- (1) Not IANZ Accredited
- (2) Results have been corrected for barometric pressure.

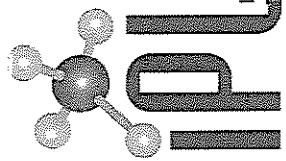


Name: A. Nathan Sampson Date: 25/05/09

Authorised Signature: J. B. S.

INDEPENDENT PETROLEUM LABORATORY LTD

Specialists in Fuels and Environmental Analysis



BP Avgas Test Report / Batch Certificate

Location	Pago Pago	After Ship	Chehalls
Tank Number	B-10	Voyage Number	Unknown
Customer Reference	Unknown	Supplier	Unknown
Batch Number	Unknown	Date Drawn	02-May-09
Quantity in Tank :- (litres)		Date for Re-test	Not Applicable
		Before	0
		After	

Report Number / COQ Numbers
Batch Number

Report Number / COQ Numbers	COQ Number	Notes	Maximum	Spec
	Batch Number		Difference	Limits

Method	Properties	Units		
D4052	Density @ 15°C	kg/L	0.7022	0.003
D86A	Initial Boiling Point	°C	37.7	(2) 8
	10% Volume Evaporated @	°C	73.2	4
	40% Volume Evaporated @	°C	96.5	max 75 min 75
	50% Volume Evaporated @	°C	100.2	6
	90% Volume Evaporated @	°C	117.9	6 max 105 max 135
	Final Boiling Point	°C	156.1	10 max 170
	Recovered	%v/v	98.5	- min 97
	Residue	%v/v	1.0	- max 1.5
	Loss	%vol	0.5	- max 1.5
	10% Evap Temp + 50% Evap Temp	°C	173.4	10 min 135
D6191	DVPE	kPa	41.7	4.5 38 - 49
D4176	Appearance @ Ambient Temperature	-	Clear and Bright	(1) -
D130	Copper Strip @ 100°C	-	1a	- max 1
D104	Change in Water Volume	mL	0.0	- -2 - 2
	Interface Condition	-	1b	-
D381	Existent Gum	mg/100mL	2	3 max 3
IP270	Lead	g/L	1.292	0.05 max 0.85
	Visual	Colour	Pale Yellow	(1) Green

Certified that this sample has been tested as received in accordance with current editions of ASTM and IP methods and FAILS to MEET the requirements of Specification DEF STAN 91-90, Issue 2, (DERD 24BS), with respect to the results given above.

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Authorised Signature:

Name: G. B. Smith Date: 25/05/09