

Amended Laboratory Test Report

Customer: GP International Ltd

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Customer Ref: PPI Diesel

Product: Diesel

Report Ref: 572374

SAMPLES RECEIVED/WORK REQUIRED


One sample was received on 13-Mar-2018 and tested as requested, results are below. The report has been amended to include repeat sulphur testing by two methods.

Method	Notes	Properties	Units	Sample Type	NZ Engine Fuel Specification Regulations 2017
				Sample Point Name	
				Sample ID	
D4052		Density @ 15°C	kg/L	Diesel	0.820 - 0.850
D86A	(1)	Initial Boiling Point	°C	PPI Diesel	
		5% Volume Recovered @	°C	572374	
		10% Volume Recovered @	°C		
		20% Volume Recovered @	°C		
		30% Volume Recovered @	°C		
		40% Volume Recovered @	°C		
		50% Volume Recovered @	°C		
		60% Volume Recovered @	°C		
		70% Volume Recovered @	°C		
		80% Volume Recovered @	°C		
		90% Volume Recovered @	°C		
		95% Volume Recovered @	°C		max 360
		Final Boiling Point	°C		
		Recovered	%vol		
		Residue	%vol		
		Loss	%vol		
D445		Viscosity @ 40°C	cSt		2.0 - 4.5
IP497		Sulphur	mg/kg		max 10
		Sulphur (Repeat)	mg/kg		max 10
D5453		Sulphur (Repeat)	mg/kg		max 10
IP438		Water	mg/kg		max 200
D482		Ash	%mass		max 0.01
D5773		Cloud Point	°C		
IP450		Lubricity Wear Scar 1.4	µm		max 460
D86 and D4530		Micro Carbon Residue on 10% Residue	%mass		max 0.2
D93A	(1)	PM Flash Point	°C		min 61
D2274		Oxidation Stability	mg/100mL		max 2.5
IP391		Poly-aromatic Hydrocarbons	%mass		max 11
		Total Aromatic Hydrocarbons	%mass		
D4737		Cetane Index (Procedure A)	-		min 51
IP309A		CFPP	°C		
D1500		Colour	-		max 3.0
D130		Total Time	-		3 hours
D130	(3)	Copper Corrosion @ 50 °C	-		max 1b
BS EN14078		FAME Content	%vol		max 7
IP387	(2)	Filter Blocking Tendency	-		max 2.5
BS EN 12662		Total Contamination	mg/kg		max 24

(1) Results have been corrected for barometric pressure.

(2) Sample not received in containers specified by method.

(3) The pressure vessel option was used in the Copper Corrosion test.

Reported By:  (Vicki McLean) **Date:** 09 April 2018

Checked By:  (Nicole Burgess) **Date:** 09 April 2018

This report relates specifically to the samples as received.

The latest issue of the relevant test methods was used unless otherwise stated.

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