



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ATTENTION
FUEL CONDITION	NORMAL

Machine Id
DIESEL SAMPLE A

Component
Diesel Fuel

Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

RECOMMENDATION

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you filter this fluid before use. We recommend you service the filters on this component. Resample at the next service interval to monitor.

CORROSION

{not applicable}

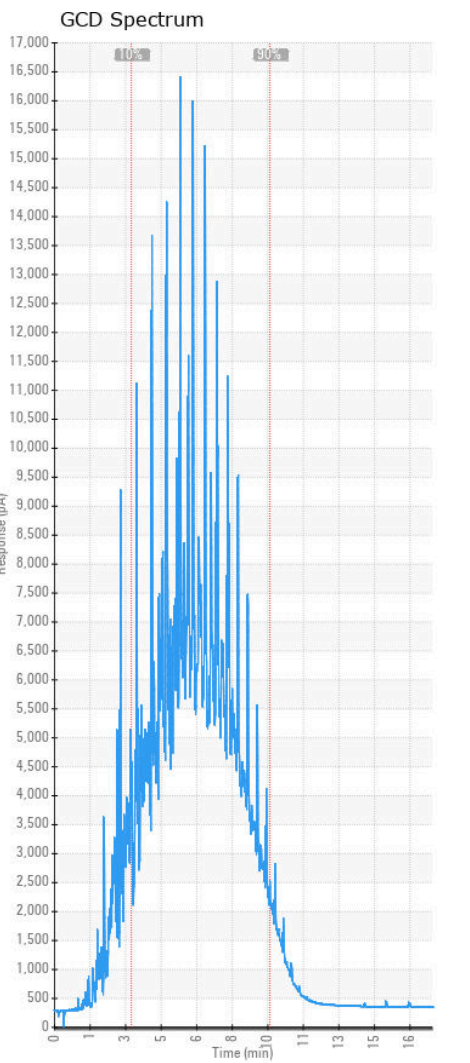
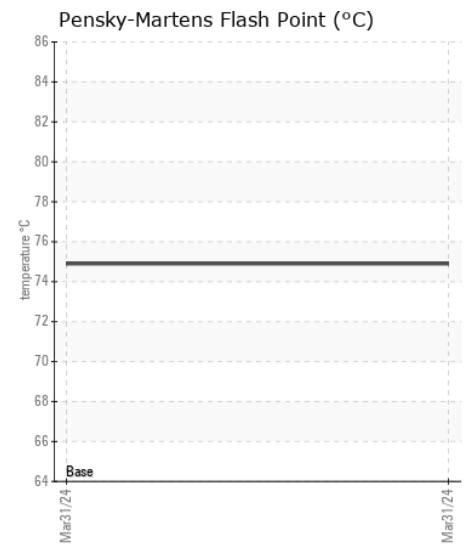
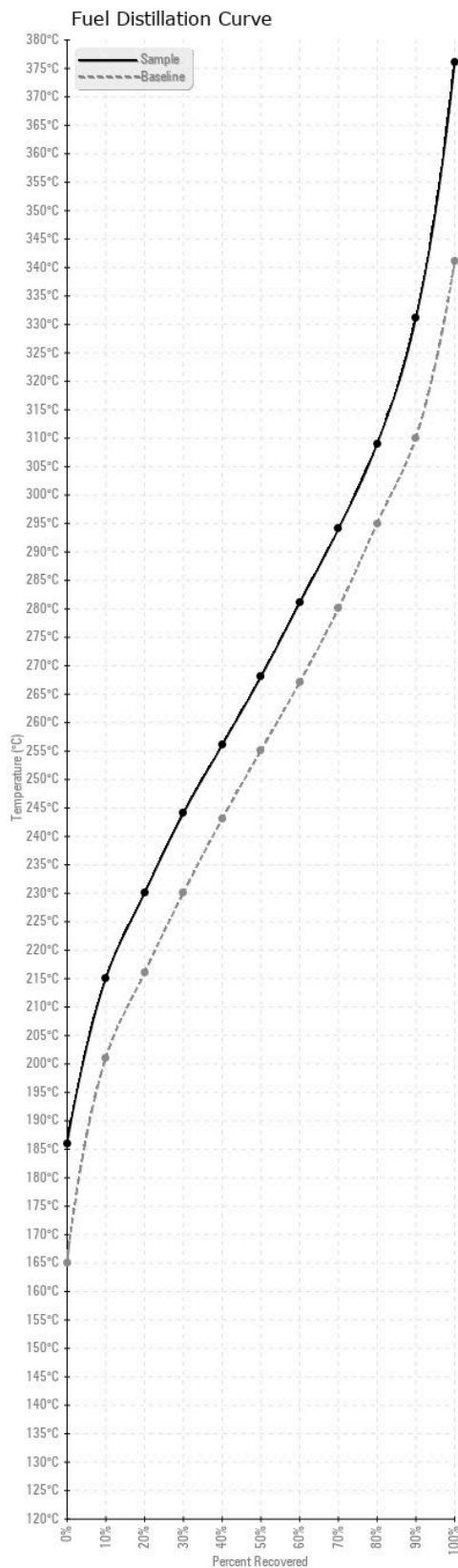
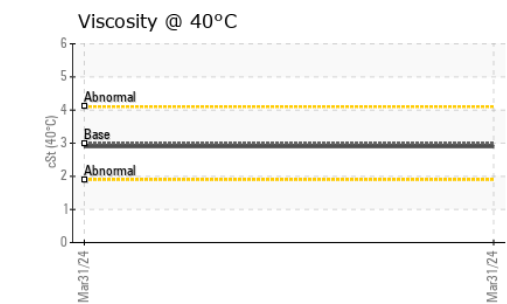
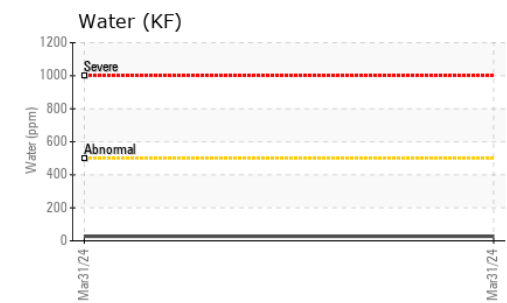
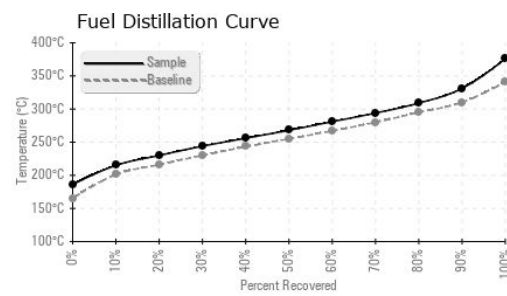
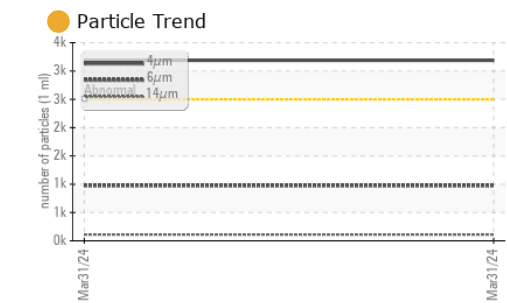
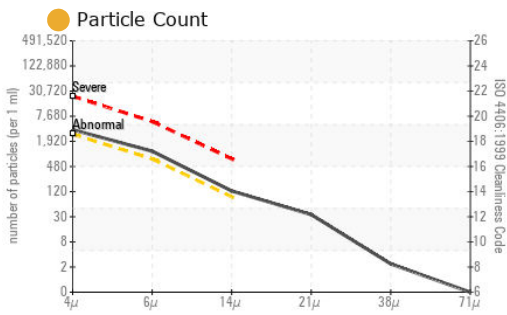
CONTAMINANTS

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible.

FUEL CONDITION

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP	---	---
Sample Date		Client Info		31 Mar 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ATTENTION	---	---
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---	---
Silicon	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
Water	%	ASTM D6304*	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304*	<500	27	---	---
Particles >4µm		ASTM D7647	>2500	3188	---	---
Particles >6µm		ASTM D7647	>640	977	---	---
Particles >14µm		ASTM D7647	>80	110	---	---
Particles >21µm		ASTM D7647	>20	30	---	---
Particles >38µm		ASTM D7647	>4	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/14	---	---
Sediment	%	ASTM D1796(e)*	<0.05	0.001	---	---
Bacteria	CFU/ml	ASTM D6469*	>=100000	0	---	---
Yeast	CFU/ml	ASTM D6469*	>=100000	0	---	---
Mold	Colonies	ASTM D6469*	MODER	NONE	---	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	---	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---	---
Zinc	ppm	ASTM D5185(m)	<0.1	0	---	---
Specific Gravity		ASTM D1298*	0.839	0.842	---	---
Fuel Color	text	Visual Screen*	Yllow	Yllow	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.9	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	74.9	---	---
Cloud Point	°C	ASTM D2500*		-15	---	---
Sulfur	ppm	ASTM D5185(m)	10	9	---	---
Initial Boiling Point	°C	ASTM D2887*	165	186	---	---
10% Distill Point	°C	ASTM D2887*	201	215	---	---
20% Distill Point	°C	ASTM D2887*	216	230	---	---
30% Distill Point	°C	ASTM D2887*	230	244	---	---
40% Distill Point	°C	ASTM D2887*	243	256	---	---
50% Distill Point	°C	ASTM D2887*	255	268	---	---
60% Distill Point	°C	ASTM D2887*	267	281	---	---
70% Distill Point	°C	ASTM D2887*	280	294	---	---
80% Distill Point	°C	ASTM D2887*	295	309	---	---
90% Distill Point	°C	ASTM D2887*	310	331	---	---
Final Boiling Point	°C	ASTM D2887*	341	376	---	---
API Gravity		ASTM D1298*	37.7	36	---	---
Cetane Index		ASTM D4737*	<40.0	50	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : PP

Lab Number : 02625823

Unique Number : 5750942

Test Package : FUEL (Additional Tests: Bacteria, CC Flash, CldPt, PrtCount, Sediment)

Received : 01 Apr 2024

Tested : 10 Apr 2024

Diagnosed : 10 Apr 2024 - Kevin Marson

HIBERNIA MGMT & DEVELOPMENT CO. LTD

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Contact: Sam Nash

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To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.