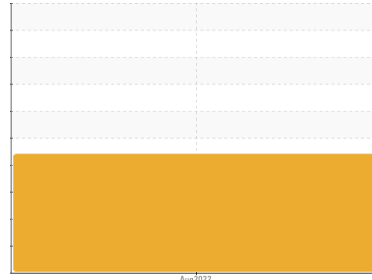




FUEL REPORT

Sample Rating Trend



WATER



Machine Id
A TREATED

Component
Diesel Fuel
Fluid

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

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We advise that you filter this fluid before use. We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Corrosion

(not applicable)

▲ Contaminants

Particles >4µm are abnormally high. Particles >6µm are abnormally high. Oil Cleanliness are abnormally high. Particles >14µm are abnormally high. Particles >21µm are notably high. Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample.

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).

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PP	---	---
Sample Date	Client Info	12 Aug 2022	---	---
Machine Age	hrs Client Info	1600	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
Specific Gravity	ASTM D1298*	0.839	0.842	---	---
Fuel Color	text Visual Screen*	Yllow	Yllow	---	---
Visc @ 40°C	cSt ASTM D7279(m)	3.0	2.7	---	---
Pensky-Martens Flash Point	°C ASTM D7215*	52	66.2	---	---
Cloud Point	°C ASTM D2500*		-12	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm ASTM D5185(m)	10	9	---	---

DISTILLATION

method	limit/base	current	history1	history2	
Initial Boiling Point	°C ASTM D2887*	165	163	---	---
5% Distillation Point	°C ASTM D2887*		194	---	---
10% Distill Point	°C ASTM D2887*	201	206	---	---
15% Distillation Point	°C ASTM D2887*		214	---	---
20% Distill Point	°C ASTM D2887*	216	223	---	---
30% Distill Point	°C ASTM D2887*	230	236	---	---
40% Distill Point	°C ASTM D2887*	243	249	---	---
50% Distill Point	°C ASTM D2887*	255	261	---	---
60% Distill Point	°C ASTM D2887*	267	274	---	---
70% Distill Point	°C ASTM D2887*	280	287	---	---
80% Distill Point	°C ASTM D2887*	295	304	---	---
85% Distillation Point	°C ASTM D2887*		313	---	---
90% Distill Point	°C ASTM D2887*	310	323	---	---
95% Distillation Point	°C ASTM D2887*		338	---	---
Final Boiling Point	°C ASTM D2887*	341	345	---	---

IGNITION QUALITY

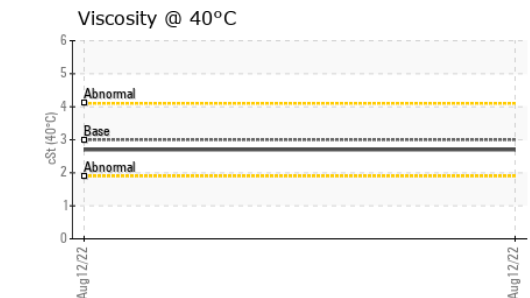
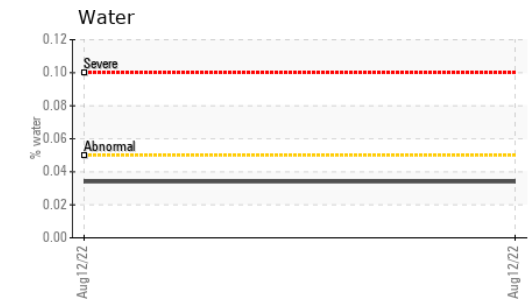
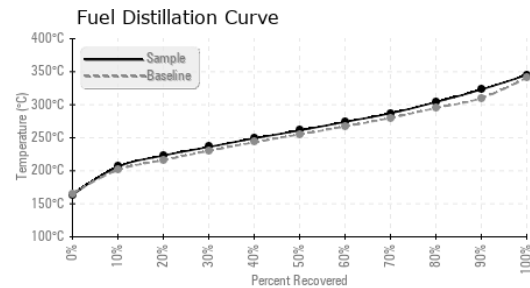
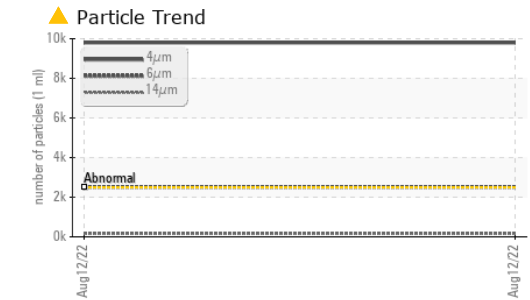
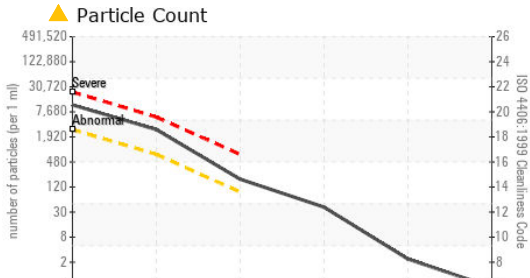
method	limit/base	current	history1	history2	
API Gravity	ASTM D1298*	37.7	36	---	---
Cetane Index	ASTM D4737*	<40.0	48	---	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm ASTM D5185(m)	<0.1	0	---	---
Water	% ASTM D6304*	<0.05	0.034	---	---
ppm Water	ppm ASTM D6304*	<500	341.4	---	---
Sediment	% ASTM D1796(e)*	<0.05	0.002	---	---



FUEL REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **HIBERNIA MGMT & DEVELOPMENT CO. LTD**
Sample No. : PP **Received** : 29 Aug 2022 SUITE 1000,, 100 NEW GOWER STREET
Lab Number : 02507784 **Diagnosed** : 06 Sep 2022 ST.JOHN'S, NL
Unique Number : 5448754 **Diagnostician** : Kevin Marson CA A1C 6K3
Test Package : FUEL (Additional Tests: Bacteria, CC Flash, CldPt, GC-PerFuel, PrtCount, Sediment) **Contact:** Sam Nash
 samantha.m.nash@exxonmobil.com

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.

T: (709)722-3766
 F: (709)722-3766

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 9798	---	---
Particles >6µm	ASTM D7647	>640	▲ 2515	---	---
Particles >14µm	ASTM D7647	>80	▲ 163	---	---
Particles >21µm	ASTM D7647	>20	▲ 35	---	---
Particles >38µm	ASTM D7647	>4	2	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 20/19/15	---	---

MICROBIAL	method	limit/base	current	history1	history2
Bacteria	CFU/ml	ASTM D6469* >=100000	0	---	---
Yeast	CFU/ml	ASTM D6469* >=100000	0	---	---
Mold	Colonies	ASTM D6469* MODER	NONE	---	---

HEAVY METALS	method	limit/base	current	history1	history2
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	<1	---	---
Calcium	ppm	ASTM D5185(m) <0.1	<1	---	---
Magnesium	ppm	ASTM D5185(m) <0.1	0	---	---
Phosphorus	ppm	ASTM D5185(m) <0.1	0	---	---
Zinc	ppm	ASTM D5185(m) <0.1	<1	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

