

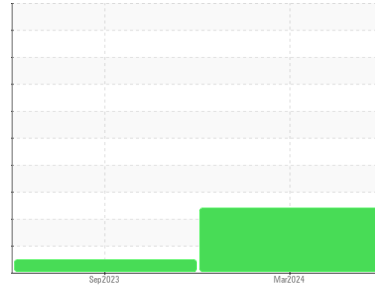


FUEL REPORT

Sample Rating Trend

WEAR

Area
GESTION [152828]
 Machine Id
K98025335 GLENDALE BRIDGE - 5
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)



DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Corrosion

Tin ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Contaminants

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

Fuel Condition

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. 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	CU0022874	CU0021476	---
Sample Date	Client Info	12 Mar 2024	12 Sep 2023	---
Machine Age	hrs	818	0	---
Sample Status		ABNORMAL	NORMAL	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2		
Specific Gravity	ASTM D1298*	0.839	0.846	0.845	---	
Fuel Color	text	Visual Screen*	Yellow	Red	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.6	2.6	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	60.7	61	---

SULFUR CONTENT

method	limit/base	current	history1	history2		
Sulfur	ppm	ASTM D5185(m)	250	12	9	---

DISTILLATION

method	limit/base	current	history1	history2		
Initial Boiling Point	°C	ASTM D2887*	165	172	173	---
5% Distillation Point	°C	ASTM D2887*		198	199	---
10% Distill Point	°C	ASTM D2887*	201	208	210	---
15% Distillation Point	°C	ASTM D2887*		216	218	---
20% Distill Point	°C	ASTM D2887*	216	223	225	---
30% Distill Point	°C	ASTM D2887*	230	237	239	---
40% Distill Point	°C	ASTM D2887*	243	248	250	---
50% Distill Point	°C	ASTM D2887*	255	260	262	---
60% Distill Point	°C	ASTM D2887*	267	272	274	---
70% Distill Point	°C	ASTM D2887*	280	284	285	---
80% Distill Point	°C	ASTM D2887*	295	297	298	---
85% Distillation Point	°C	ASTM D2887*		306	307	---
90% Distill Point	°C	ASTM D2887*	310	316	317	---
95% Distillation Point	°C	ASTM D2887*		334	334	---
Final Boiling Point	°C	ASTM D2887*	341	351	351	---

IGNITION QUALITY

method	limit/base	current	history1	history2	
API Gravity	ASTM D1298*	37.7	35	35	---
Cetane Index	ASTM D4737*	<40.0	46	47	---

CONTAMINANTS

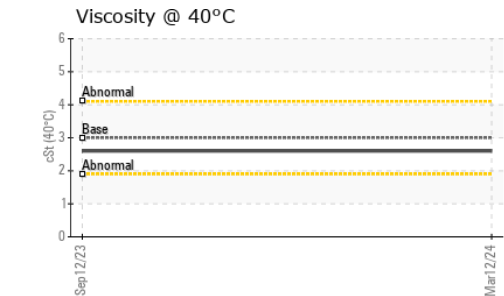
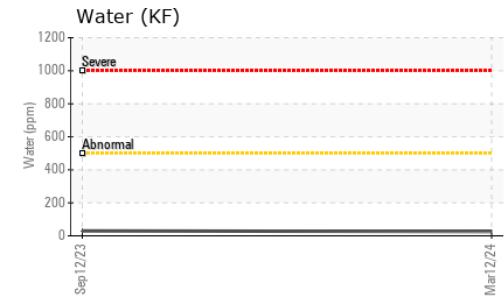
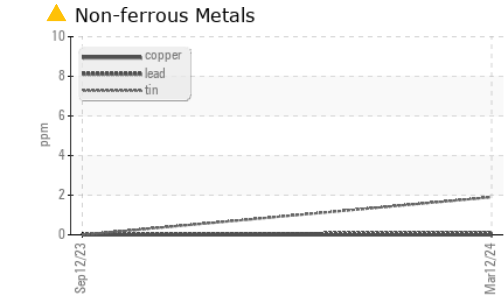
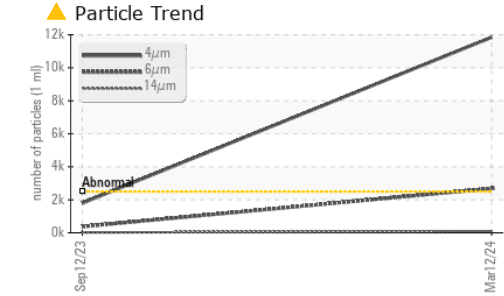
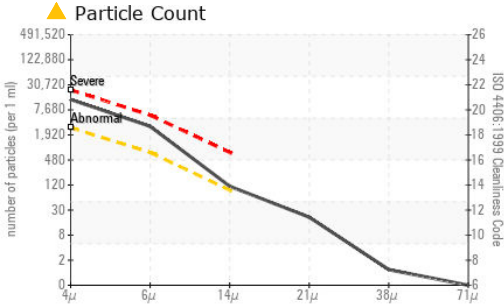
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	<1.0	5	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	0	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	<1	---
Water	%	ASTM D6304*	<0.05	0.003	0.003	---
ppm Water	ppm	ASTM D6304*	<500	26	30.0	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>2500	▲ 11847	1798	---
Particles >6µm	ASTM D7647	>640	▲ 2689	377	---
Particles >14µm	ASTM D7647	>80	● 99	17	---
Particles >21µm	ASTM D7647	>20	18	4	---
Particles >38µm	ASTM D7647	>4	1	0	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 21/19/14	18/16/11	---



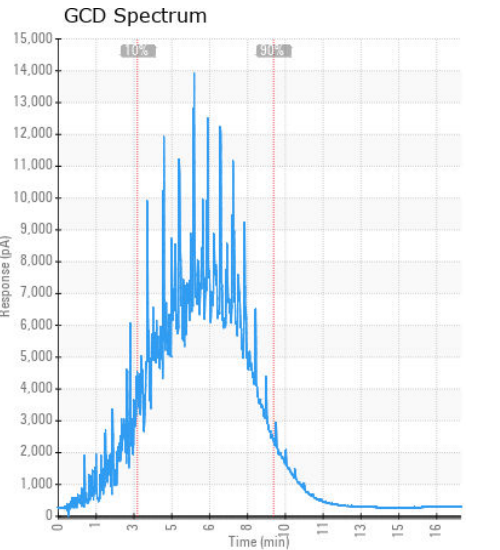
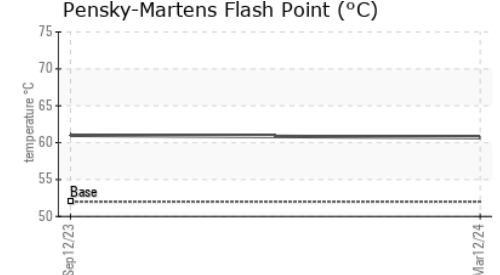
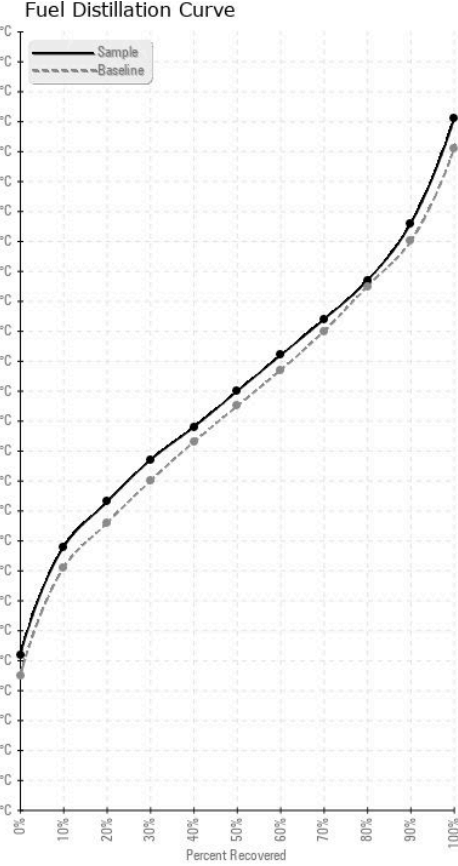
FUEL REPORT



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)	<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	<1	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	1	<1
Zinc	ppm	ASTM D5185(m)	<0.1	<1	<1

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022874
Lab Number : 02622882
Unique Number : 5748001
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

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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.*