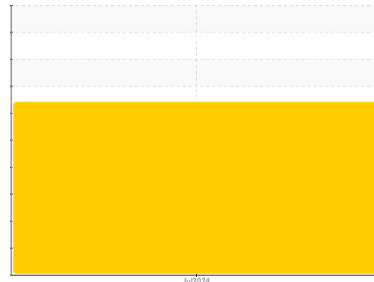




FUEL REPORT

Sample Rating Trend



ISO



Machine Id
ALGOMA #2

Component
Diesel Fuel

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

DIAGNOSIS

▲ Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. We recommend you service the filters on this component. Recommend resampling in 10 days. Resample in 30-45 days to monitor this situation.

▲ Contaminants

There is a high 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. Small amount of bacteria present. No reportable mold present. No reportable yeast present.

Fuel Condition

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PP	---	---
Sample Date	Client Info			08 Jul 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				SEVERE	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.853	---	---
Fuel Color	text	Visual Screen*	Yellow	Orang	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.5	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	62.7	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	12	---	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	174	---	---
5% Distillation Point	°C	ASTM D2887*		201	---	---
10% Distill Point	°C	ASTM D2887*	201	212	---	---
15% Distillation Point	°C	ASTM D2887*		220	---	---
20% Distill Point	°C	ASTM D2887*	216	228	---	---
30% Distill Point	°C	ASTM D2887*	230	241	---	---
40% Distill Point	°C	ASTM D2887*	243	251	---	---
50% Distill Point	°C	ASTM D2887*	255	261	---	---
60% Distill Point	°C	ASTM D2887*	267	272	---	---
70% Distill Point	°C	ASTM D2887*	280	282	---	---
80% Distill Point	°C	ASTM D2887*	295	294	---	---
85% Distillation Point	°C	ASTM D2887*		303	---	---
90% Distill Point	°C	ASTM D2887*	310	312	---	---
95% Distillation Point	°C	ASTM D2887*		328	---	---
Final Boiling Point	°C	ASTM D2887*	341	356	---	---

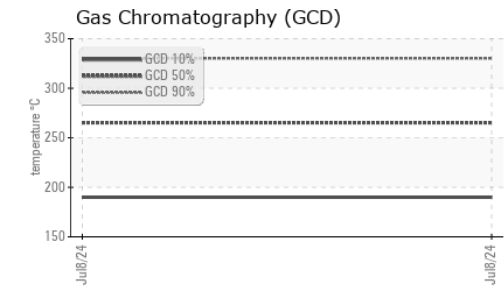
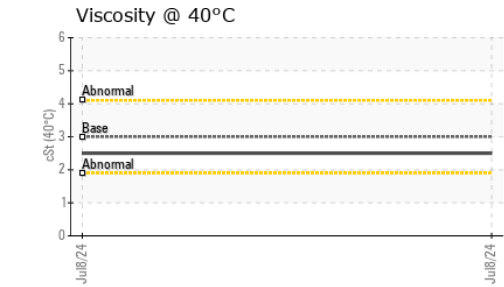
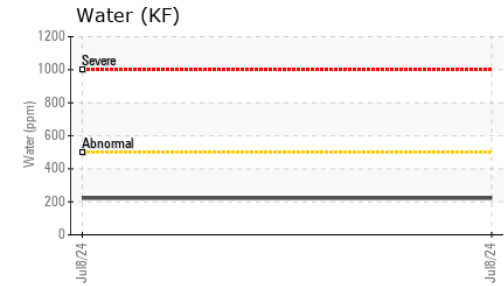
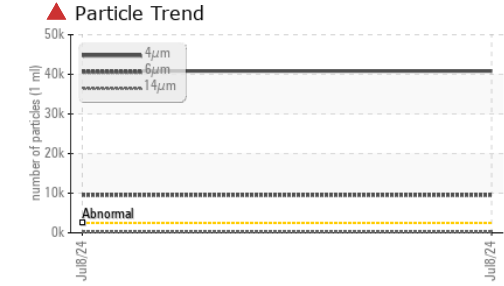
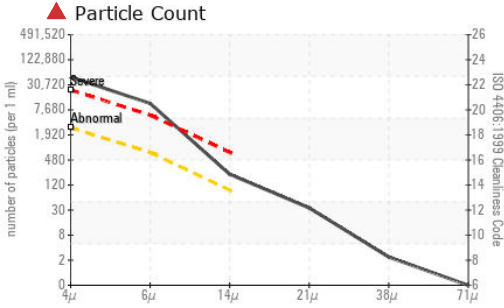
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	34	---	---
Cetane Index		ASTM D4737*	<40.0	44	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	<1	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
Water	%	ASTM D6304*	<0.05	0.022	---	---
ppm Water	ppm	ASTM D6304*	<500	222	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	▲ 40821	---	---
Particles >6µm		ASTM D7647	>640	▲ 9527	---	---
Particles >14µm		ASTM D7647	>80	▲ 192	---	---
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	▲ 23/20/15	---	---



FUEL REPORT



MICROBIAL	method	limit/base	current	history1	history2
Bacteria	CFU/ml ASTM D6469*	>=100000	● 10000	---	---
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	● 0	---	---

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

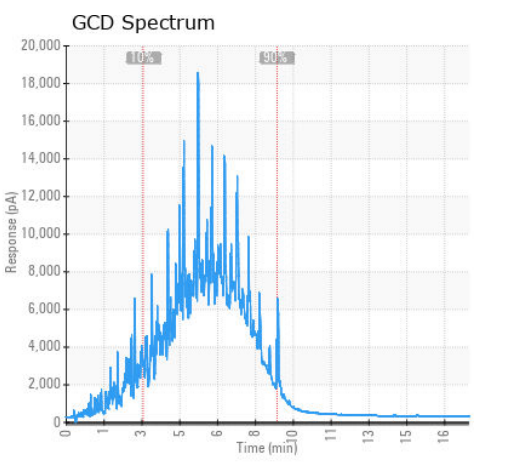
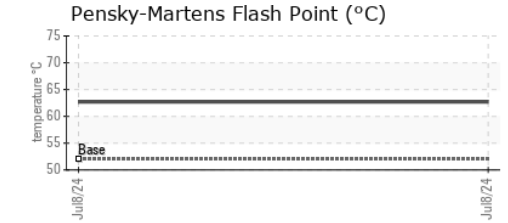
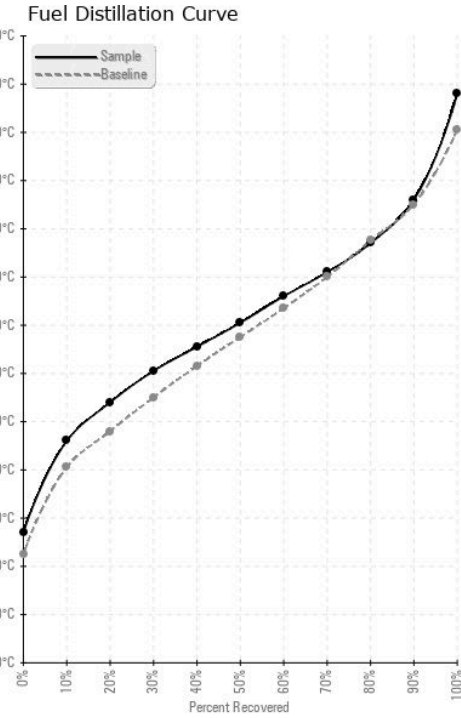
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP **Received** : 09 Jul 2024
Lab Number : 02646814 **Tested** : 21 Jul 2024
Unique Number : 5812366 **Diagnosed** : 21 Jul 2024 - Kevin Marson
Test Package : FUEL (Additional Tests: Bacteria, CC Flash, PrtCount)

Triple M Metals
 670 Strathearne Avenue
 Hamilton, ON
 CA L8H 7N7
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 bpollard@triplemmetal.com
 T: (905)547-8888
 F: (905)547-9994

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.