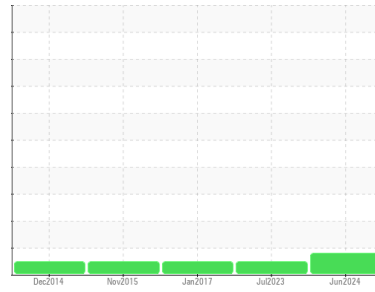


FUEL REPORT

Sample Rating Trend



ISO



Area
[6100299030]
Machine Id
G6B11381
Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

DIAGNOSIS

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.

Contaminants

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

Fuel Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WA0021958	WA0020246	WA0009820
Sample Date	Client Info			18 Jun 2024	05 Jul 2023	12 Jan 2017
Machine Age	hrs	Client Info		0	0	161
Sample Status				ATTENTION	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.841	0.843	0.828
Fuel Color	text	Visual Screen*	Yllow	Yllow	Yllow	Yllow
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.6	2.5	2.2
Pensky-Martens Flash Point	°C	ASTM D7215*	52	61.3	61.6	56

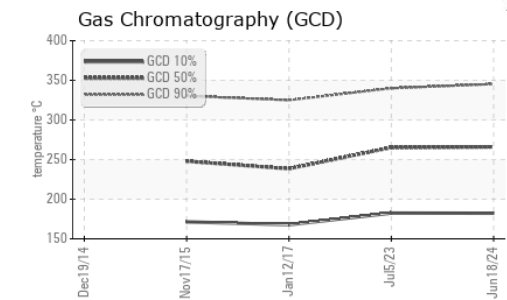
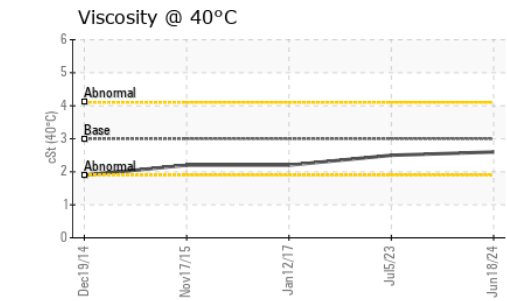
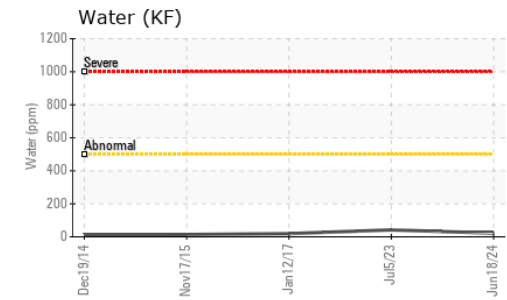
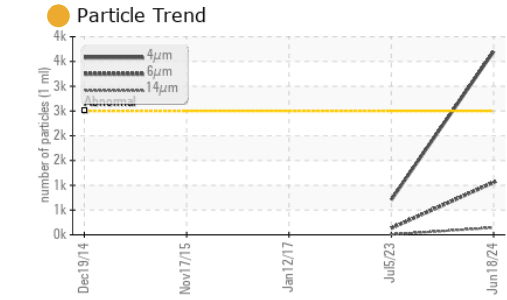
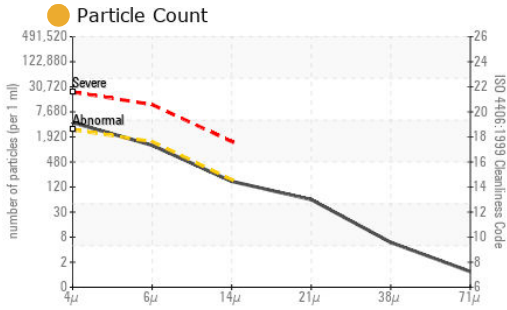
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	25	33	21

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	172	173	160
5% Distillation Point	°C	ASTM D2887*		194	195	184
10% Distill Point	°C	ASTM D2887*	201	206	206	192
15% Distillation Point	°C	ASTM D2887*		214	214	198
20% Distill Point	°C	ASTM D2887*	216	223	223	204
30% Distill Point	°C	ASTM D2887*	230	238	237	217
40% Distill Point	°C	ASTM D2887*	243	250	250	229
50% Distill Point	°C	ASTM D2887*	255	263	262	242
60% Distill Point	°C	ASTM D2887*	267	276	274	256
70% Distill Point	°C	ASTM D2887*	280	289	287	270
80% Distill Point	°C	ASTM D2887*	295	304	301	286
85% Distillation Point	°C	ASTM D2887*		315	311	296
90% Distill Point	°C	ASTM D2887*	310	326	321	308
95% Distillation Point	°C	ASTM D2887*		346	339	325
Final Boiling Point	°C	ASTM D2887*	341	376	357	335
Distillation Residue	%	ASTM D86(e)*	3.0	---	---	1.4
Distillation Loss	%	ASTM D86(e)*	3.0	---	---	0.4

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	36	36	39.4
Cetane Index		ASTM D4737*	<40.0	48	47	46.1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	<1
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	0
Potassium	ppm	ASTM D5185(m)	<0.1	0	<1	0
Water	%	ASTM D6304*	<0.05	0.002	0.004	0.001
ppm Water	ppm	ASTM D6304*	<500	22	42.1	19.3

FUEL REPORT

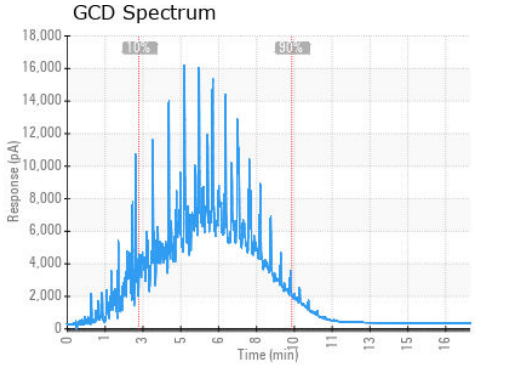
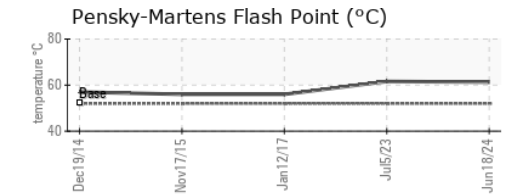
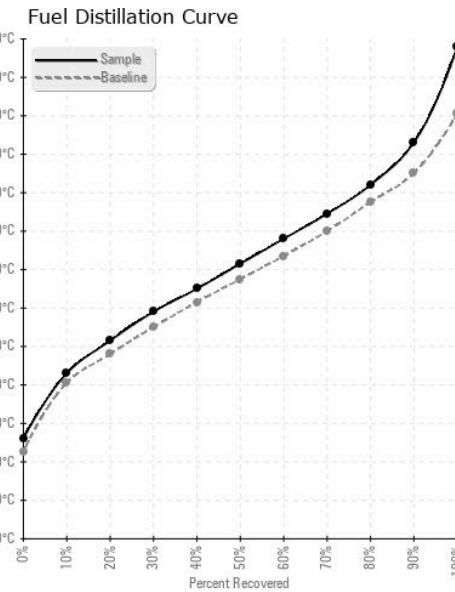


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	3704	708	---
Particles >6µm	ASTM D7647	>1300	1060	135	---
Particles >14µm	ASTM D7647	>160	145	6	---
Particles >21µm	ASTM D7647	>40	53	1	---
Particles >38µm	ASTM D7647	>10	5	0	---
Particles >71µm	ASTM D7647	>3	1	0	---
Oil Cleanliness	ISO 4406 (c)	>18/17/14	19/17/14	17/14/10	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0
Lead	ppm	ASTM D5185(m)	<0.1	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0
Iron	ppm	ASTM D5185(m)	<0.1	0	<1
Calcium	ppm	ASTM D5185(m)	<0.1	<1	<1
Magnesium	ppm	ASTM D5185(m)	<0.1	0	<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					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021958 **Received** : 26 Jun 2024
Lab Number : **02644261** **Tested** : 02 Jul 2024
Unique Number : 5801800 **Diagnosed** : 02 Jul 2024 - Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

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.

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