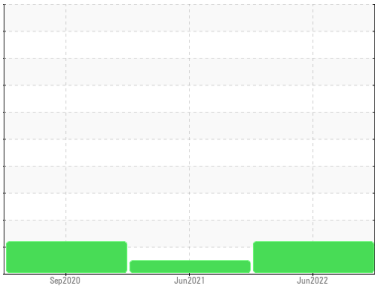
FUEL REPORT

Sample Rating Trend



ISO

Area
[VQ5940]
Machine Id
GD12152
Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

Les tests de laboratoire indiquent que ce carburant peut être utilisé et qu`il répond à toutes les exigences. Nous vous recommandons de filtrer ce fluide avant de l`utiliser. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

Contaminants

Il y a une quantité modérée de particules (de 4 à 14 microns) dans le carburant. La teneur en eau est négligeable.

Fuel Condition

Tous les essais en laboratoire indiquent que cet échantillon satisfait aux spécifications pour le carburant diesel à ultra-faible teneur de soufre No.2 (US EPA/CGSB-3.517-3 type B). le carburant peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GD0005739**	GD0004919	GD0004431
Sample Date		Client Info		**20 Jun 2022**	21 Jun 2021	26 Sep 2020
Machine Age	hrs	Client Info		**0**	0	103
Sample Status				**ABNORMAL**	NORMAL	ATTENTION

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	**0.824**	0.827	0.825
Fuel Color	text	Visual Screen*	Yllow	**Pink**	Red	Pink
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	**2**	2.0	2.1
Pensky-Martens Flash Point	°C	ASTM D7215*	52	**50**	50.9	56

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	**12**	13	142

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	**156**	156	160
5% Distillation Point	°C	ASTM D2887*		**170**	171	178
10% Distill Point	°C	ASTM D2887*	201	**179**	182	187
15% Distillation Point	°C	ASTM D2887*		**186**	190	194
20% Distill Point	°C	ASTM D2887*	216	**193**	199	202
30% Distill Point	°C	ASTM D2887*	230	**209**	215	217
40% Distill Point	°C	ASTM D2887*	243	**224**	231	231
50% Distill Point	°C	ASTM D2887*	255	**240**	246	244
60% Distill Point	°C	ASTM D2887*	267	**257**	262	259
70% Distill Point	°C	ASTM D2887*	280	**272**	278	273
80% Distill Point	°C	ASTM D2887*	295	**290**	297	290
85% Distillation Point	°C	ASTM D2887*		**300**	307	301
90% Distill Point	°C	ASTM D2887*	310	**313**	320	314
95% Distillation Point	°C	ASTM D2887*		**334**	338	337
Final Boiling Point	°C	ASTM D2887*	341	**359**	353	366

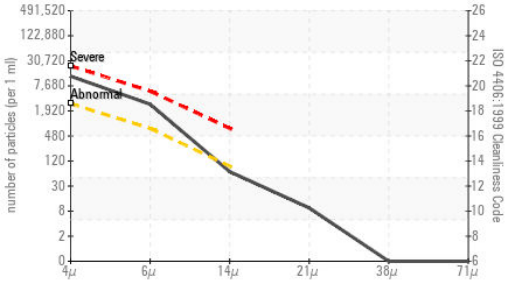
IGNITION QUALITY	method	limit/base	current	history1	history2
API Gravity	ASTM D1298*	37.7	**40**	39	40
Cetane Index	ASTM D4737*	<40.0	**49**	49	50

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	**0**	<1	0
Sodium	ppm	ASTM D5185(m)	<0.1	**<1**	<1	<1
Potassium	ppm	ASTM D5185(m)	<0.1	**0**	0	<1
Water	%	ASTM D6304*	<0.05	**0.003**	0.002	0.003
ppm Water	ppm	ASTM D6304*	<500	**36.2**	23.6	37.0

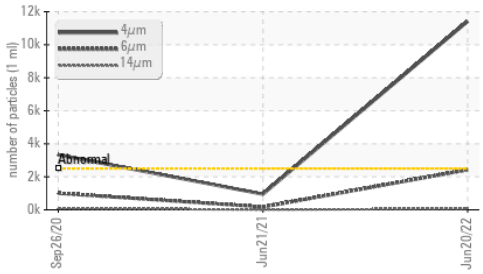
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ **11416**	948	● 3329
Particles >6µm	ASTM D7647	>640	▲ **2428**	173	● 1003
Particles >14µm	ASTM D7647	>80	**59**	9	● 84
Particles >21µm	ASTM D7647	>20	**8**	2	22
Particles >38µm	ASTM D7647	>4	**0**	0	2
Particles >71µm	ASTM D7647	>3	**0**	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ **21/18/13**	17/15/10	● 19/17/14

FUEL REPORT

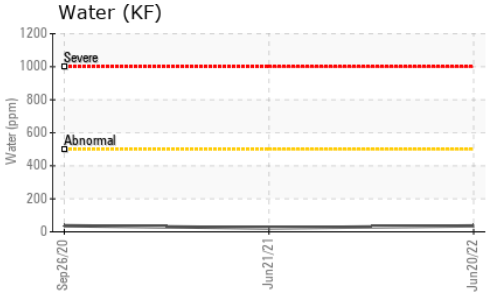
Particle Count



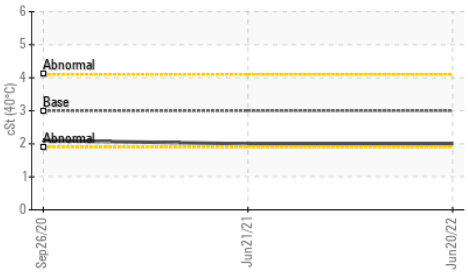
Particle Trend



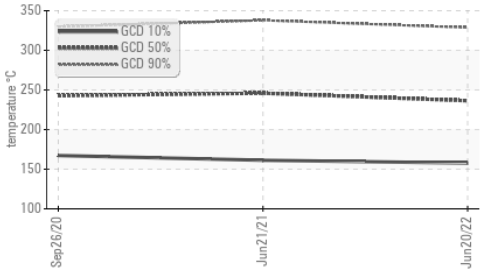
Water (KF)



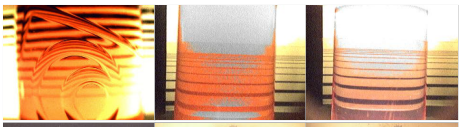
Viscosity @ 40°C



Gas Chromatography (GCD)

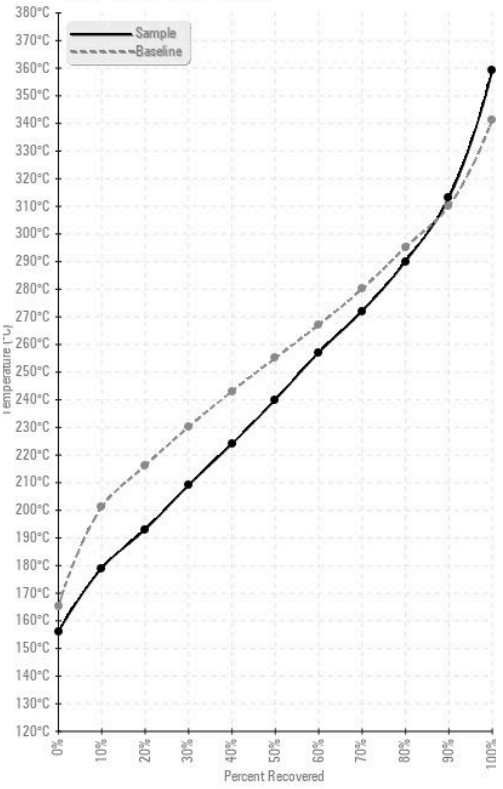


HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Lead	ppm	ASTM D5185(m)	<0.1	**0**	0	<1
Vanadium	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Iron	ppm	ASTM D5185(m)	<0.1	**<1**	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	**<1**	0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

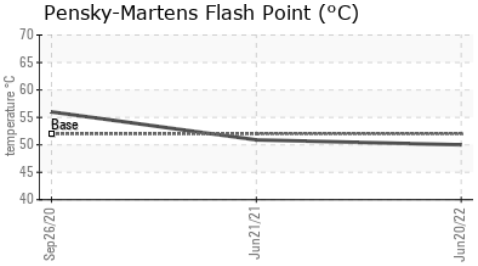
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

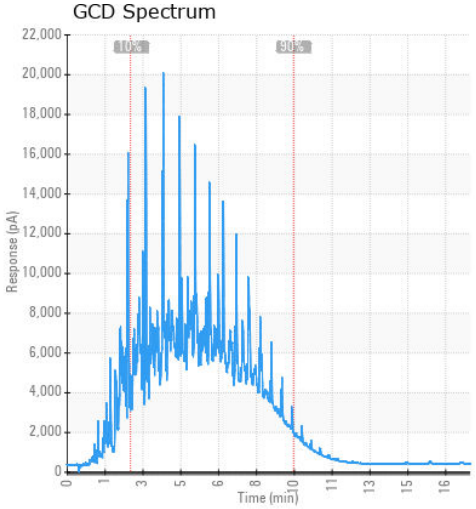
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005739 **Received** : 20 Jul 2022
Lab Number : 02500899 **Tested** : 25 Jul 2022
Unique Number : 5433860 **Diagnosed** : 25 Jul 2022 - Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, 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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