



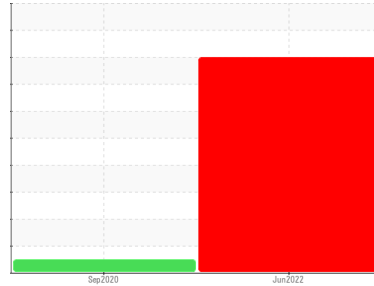
FUEL REPORT

Sample Rating Trend

ISO



Area
GARNISON OF MONTREAL [VQ6007]
 Machine Id
GD7955
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- LTR)



DIAGNOSIS

▲ Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Les tests de laboratoire indiquent que ce carburant peut être utilisé et qu'il répond à toutes les exigences. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous vous recommandons de filtrer ce fluide avant de l'utiliser. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

▲ Contaminants

Il y a une grande quantité de particules (de 4 à 71 microns) dans le carburant. La teneur en eau est négligeable.

Fuel Condition

le carburant peut encore servir si la contamination peut être réduite à un niveau acceptable. 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).

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GD0005719	GD0004545	---
Sample Date	Client Info		28 Jun 2022	29 Sep 2020	---
Machine Age	hrs	Client Info	0	268	---
Sample Status			SEVERE	NORMAL	---

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	0.839	0.827	0.824	---
Fuel Color	text	Visual Screen*	Yellow	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.1	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	56.2	---

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	10	137

DISTILLATION

	method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	154	159
5% Distillation Point	°C	ASTM D2887*		171	178
10% Distill Point	°C	ASTM D2887*	201	182	188
15% Distillation Point	°C	ASTM D2887*		190	195
20% Distill Point	°C	ASTM D2887*	216	199	204
30% Distill Point	°C	ASTM D2887*	230	216	218
40% Distill Point	°C	ASTM D2887*	243	231	232
50% Distill Point	°C	ASTM D2887*	255	247	246
60% Distill Point	°C	ASTM D2887*	267	263	260
70% Distill Point	°C	ASTM D2887*	280	279	275
80% Distill Point	°C	ASTM D2887*	295	298	291
85% Distillation Point	°C	ASTM D2887*		308	303
90% Distill Point	°C	ASTM D2887*	310	320	314
95% Distillation Point	°C	ASTM D2887*		338	335
Final Boiling Point	°C	ASTM D2887*	341	351	352

IGNITION QUALITY

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

CONTAMINANTS

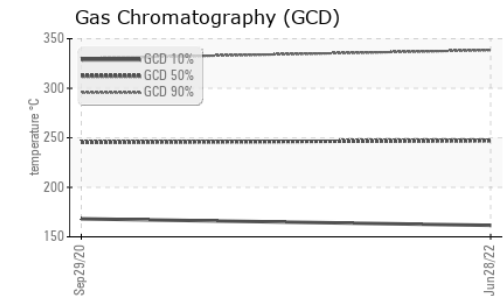
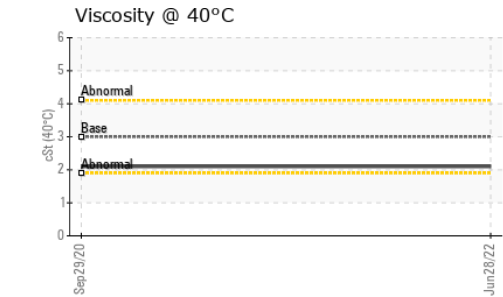
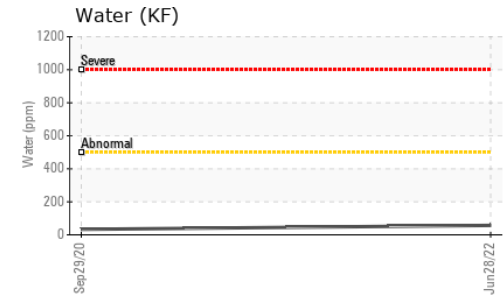
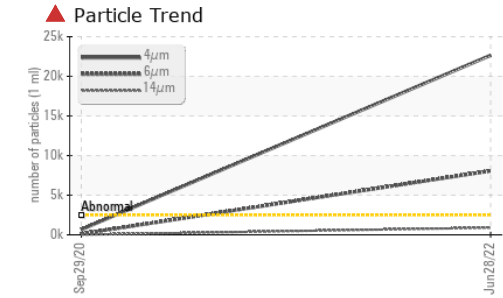
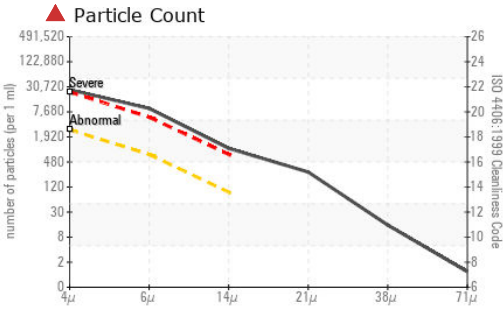
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	0	<1
Potassium	ppm	ASTM D5185(m)	<0.1	0	<1
Water	%	ASTM D6304*	<0.05	0.005	0.003
ppm Water	ppm	ASTM D6304*	<500	57.1	33.2

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 22658	662	---
Particles >6µm	ASTM D7647	>640	▲ 8075	119	---
Particles >14µm	ASTM D7647	>80	▲ 894	8	---
Particles >21µm	ASTM D7647	>20	▲ 242	4	---
Particles >38µm	ASTM D7647	>4	▲ 13	0	---
Particles >71µm	ASTM D7647	>3	▲ 1	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 22/20/17	17/14/10	---



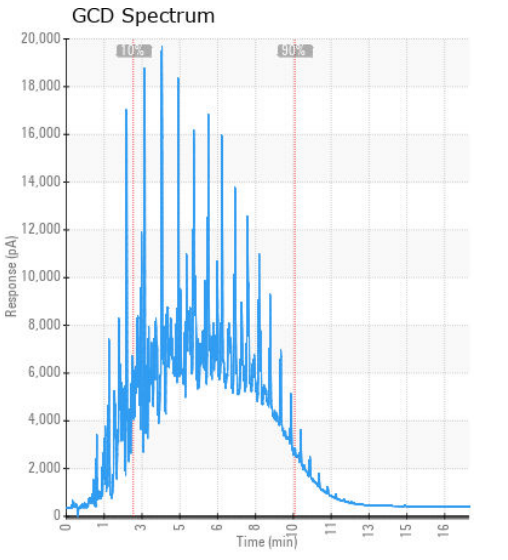
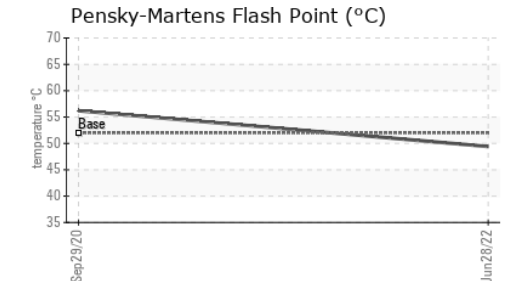
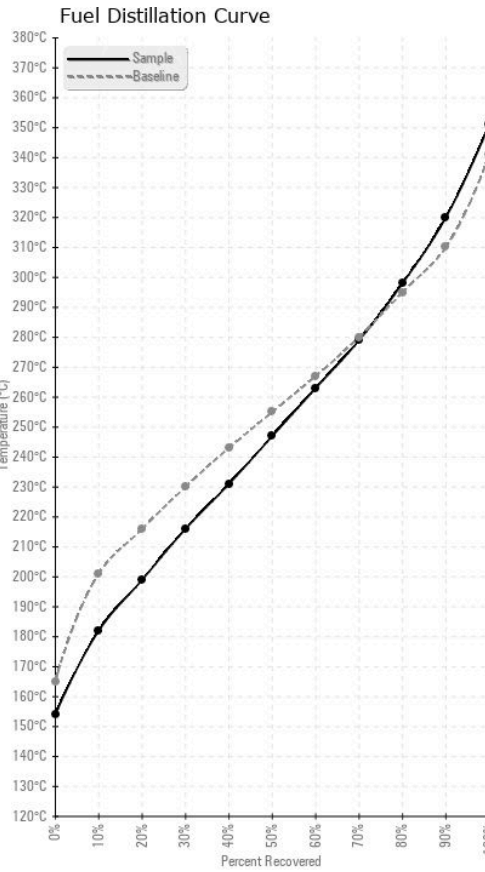
FUEL REPORT



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)	<0.1	<1	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	---
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
Bottom					no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005719
Lab Number : 02502402
Unique Number : 5435363
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

Received : 28 Jul 2022
Tested : 31 Jul 2022
Diagnosed : 02 Aug 2022 - Kevin Marson
Generatrice Drummond
 243 rue des ARTISANS
 SAINT-GERMAIN-DE-GRANTHAM, QC
 CA J0C 1K0
 Contact: Valerie Poirier
 poiirivalerie@generatricedrummond.com
 T: (819)398-6811
 F: (819)398-7022

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.