



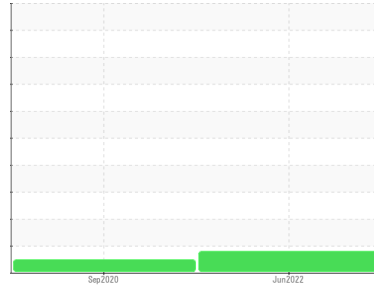
FUEL REPORT

Sample Rating Trend

WEAR

Area
[VQ6005]
Machine Id
GD12153

Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- LTR)



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger le carburant de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Corrosion

La concentration des métaux est élevée indiquant la présence de corrosion dans le système.

Contaminants

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable.

Fuel Condition

le carburant ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			GD0005722	GD0004536	---
Sample Date	Client Info			27 Jun 2022	23 Sep 2020	---
Machine Age	hrs	Client Info		0	1743	---
Sample Status				ABNORMAL	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.823	0.824	---
Fuel Color	text	Visual Screen*	Yellow	Pink	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2	2.1	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	50.4	56	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	35	137	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	155	159	---
5% Distillation Point	°C	ASTM D2887*		172	178	---
10% Distill Point	°C	ASTM D2887*	201	182	188	---
15% Distillation Point	°C	ASTM D2887*		188	195	---
20% Distill Point	°C	ASTM D2887*	216	196	203	---
30% Distill Point	°C	ASTM D2887*	230	211	217	---
40% Distill Point	°C	ASTM D2887*	243	225	231	---
50% Distill Point	°C	ASTM D2887*	255	240	245	---
60% Distill Point	°C	ASTM D2887*	267	256	260	---
70% Distill Point	°C	ASTM D2887*	280	270	274	---
80% Distill Point	°C	ASTM D2887*	295	288	291	---
85% Distillation Point	°C	ASTM D2887*		300	302	---
90% Distill Point	°C	ASTM D2887*	310	314	314	---
95% Distillation Point	°C	ASTM D2887*		335	335	---
Final Boiling Point	°C	ASTM D2887*	341	355	359	---

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

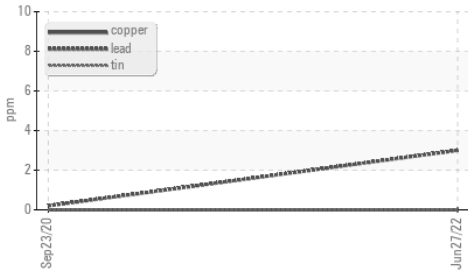
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	<1	---
Potassium	ppm	ASTM D5185(m)	<0.1	3	0	---
Water	%	ASTM D6304*	<0.05	0.003	0.003	---
ppm Water	ppm	ASTM D6304*	<500	28.3	30.5	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	2226	1698	---
Particles >6µm		ASTM D7647	>640	628	509	---
Particles >14µm		ASTM D7647	>80	68	36	---
Particles >21µm		ASTM D7647	>20	20	15	---
Particles >38µm		ASTM D7647	>4	1	2	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/13	18/16/12	---



FUEL REPORT

▲ Non-ferrous Metals



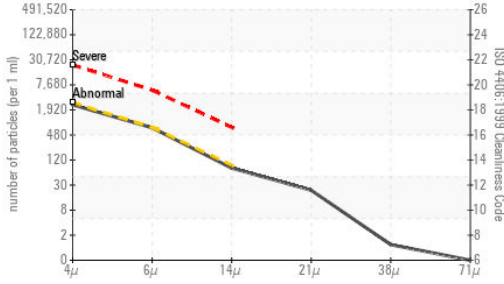
HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	▲ 3	<1	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<1	<1	---
Calcium	ppm	ASTM D5185(m)	<1	0	---
Magnesium	ppm	ASTM D5185(m)	0	0	---
Phosphorus	ppm	ASTM D5185(m)	<1	<1	---
Zinc	ppm	ASTM D5185(m)	<1	<1	---

SAMPLE IMAGES

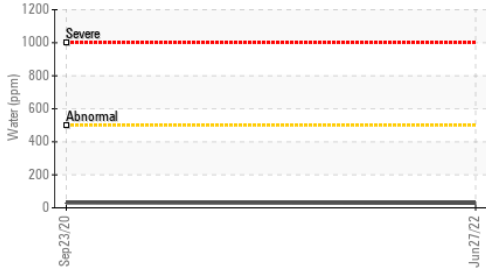
	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS

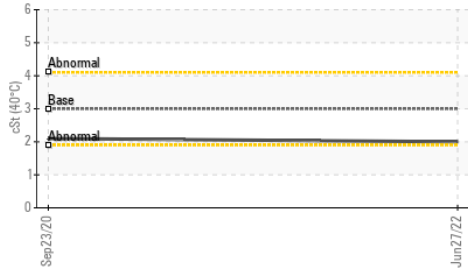
Particle Count



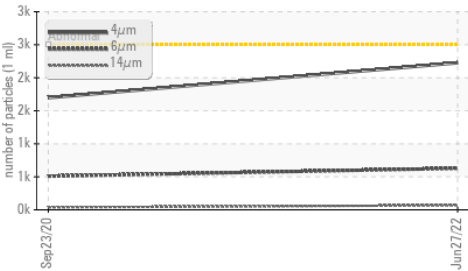
Water (KF)



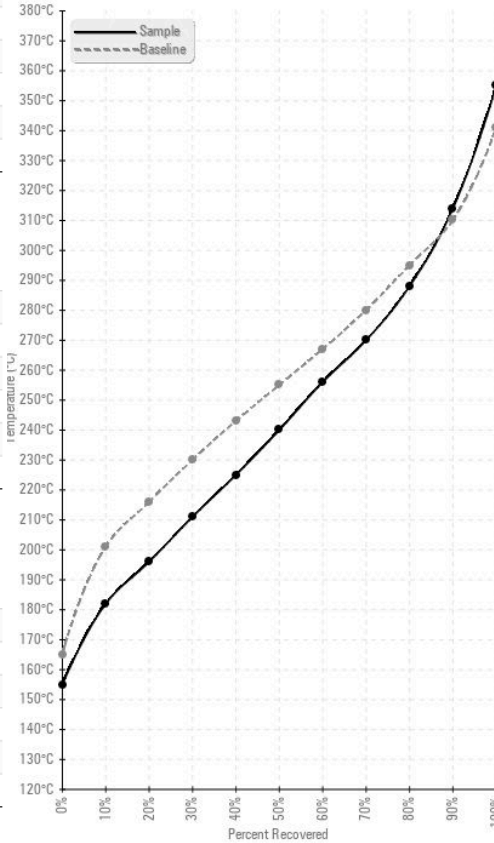
Viscosity @ 40°C



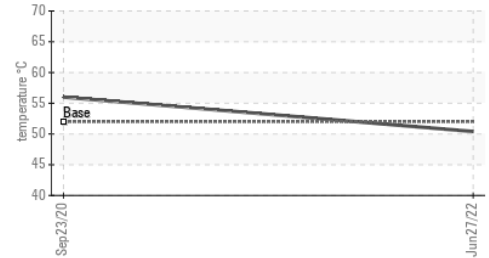
Particle Trend



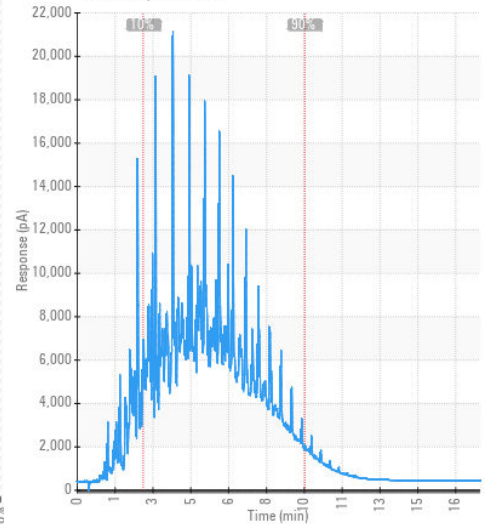
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005722
Lab Number : 02502400
Unique Number : 5435361
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

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 CA J0C 1K0
 Contact: Valerie Poirier
 poiirivalerie@generatricedrummond.com

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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