



FUEL REPORT

Sample Rating Trend

ISO



Area

GARNISON OF MONTREAL [VQ5960]

Machine Id

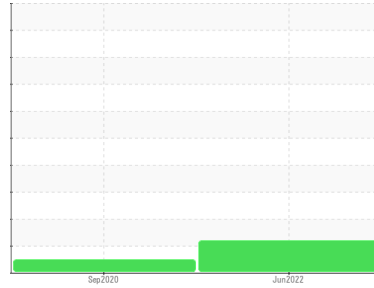
KOHLER GD4104

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	GD0005712	GD0004427	---
Sample Date	Client Info	22 Jun 2022	25 Sep 2020	---
Machine Age	hrs	0	800	---
Sample Status		ABNORMAL	NORMAL	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2		
Specific Gravity	ASTM D1298*	0.839	0.822	0.824	---	
Fuel Color	text	Visual Screen*	Yellow	Pink	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	1.9	2.0	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	49	56	---

SULFUR CONTENT

method	limit/base	current	history1	history2		
Sulfur	ppm	ASTM D5185(m)	10	13	138	---

DISTILLATION

method	limit/base	current	history1	history2		
Initial Boiling Point	°C	ASTM D2887*	165	155	159	---
5% Distillation Point	°C	ASTM D2887*		170	178	---
10% Distill Point	°C	ASTM D2887*	201	178	188	---
15% Distillation Point	°C	ASTM D2887*		184	194	---
20% Distill Point	°C	ASTM D2887*	216	191	202	---
30% Distill Point	°C	ASTM D2887*	230	207	217	---
40% Distill Point	°C	ASTM D2887*	243	223	231	---
50% Distill Point	°C	ASTM D2887*	255	239	245	---
60% Distill Point	°C	ASTM D2887*	267	255	259	---
70% Distill Point	°C	ASTM D2887*	280	269	274	---
80% Distill Point	°C	ASTM D2887*	295	286	291	---
85% Distillation Point	°C	ASTM D2887*		297	302	---
90% Distill Point	°C	ASTM D2887*	310	311	314	---
95% Distillation Point	°C	ASTM D2887*		332	336	---
Final Boiling Point	°C	ASTM D2887*	341	359	361	---

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

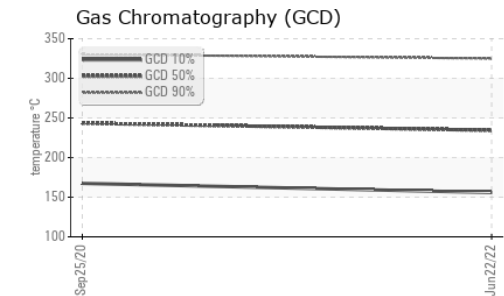
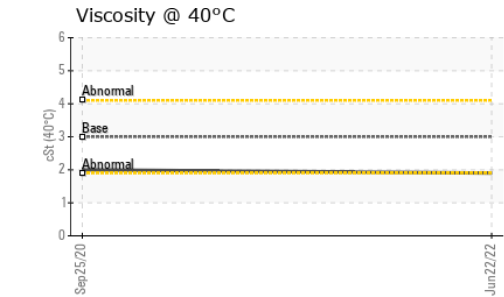
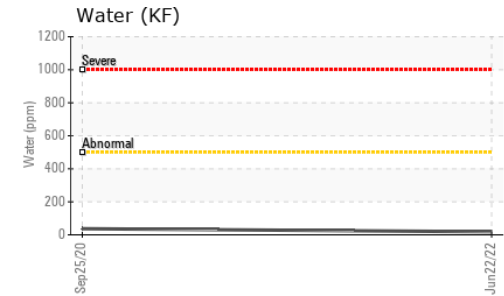
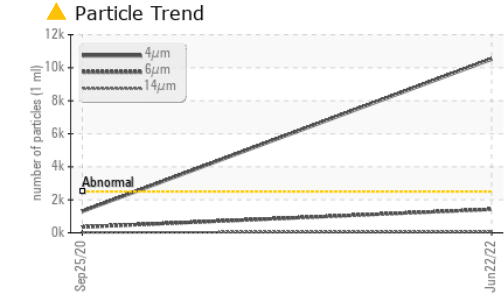
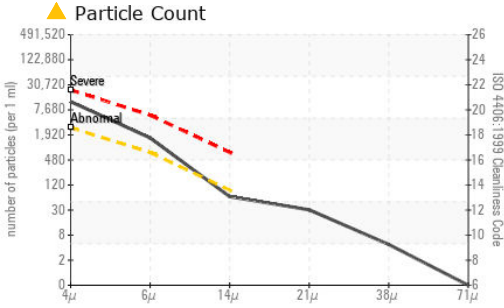
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	<1.0	<1	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	<1	---
Potassium	ppm	ASTM D5185(m)	<0.1	<1	<1	---
Water	%	ASTM D6304*	<0.05	0.002	0.003	---
ppm Water	ppm	ASTM D6304*	<500	18.5	37.2	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>2500	▲ 10523	1301	---
Particles >6µm	ASTM D7647	>640	▲ 1423	353	---
Particles >14µm	ASTM D7647	>80	56	25	---
Particles >21µm	ASTM D7647	>20	27	9	---
Particles >38µm	ASTM D7647	>4	4	2	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 21/18/13	18/16/12	---



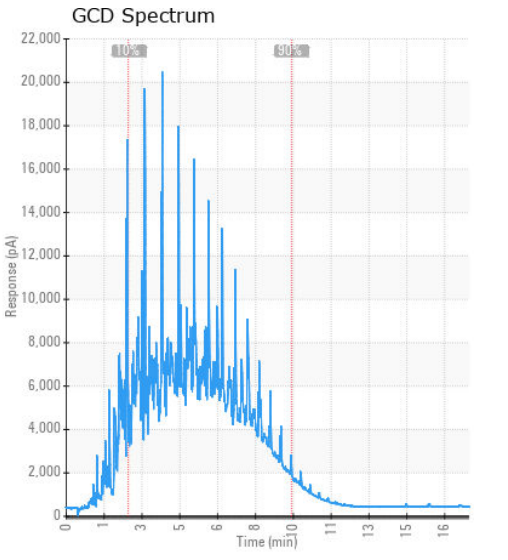
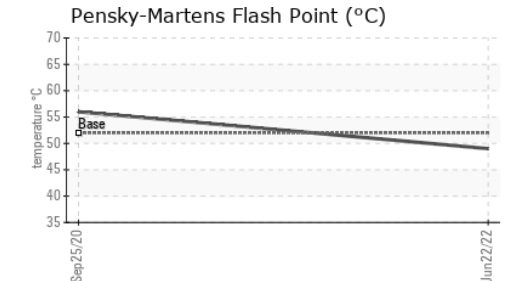
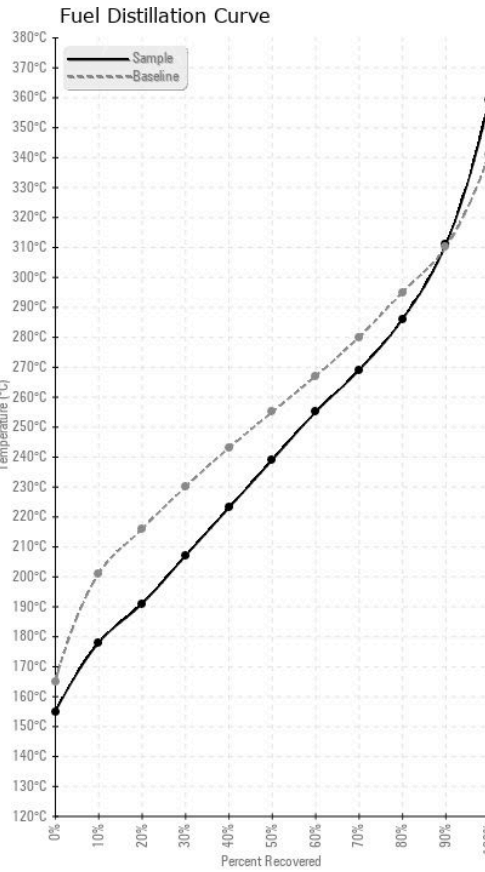
FUEL REPORT



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)	<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	<1	---
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	1	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---

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

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005712
Lab Number : 02500897
Unique Number : 5433858
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

Received : 20 Jul 2022
Tested : 25 Jul 2022
Diagnosed : 25 Jul 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.