



FUEL REPORT

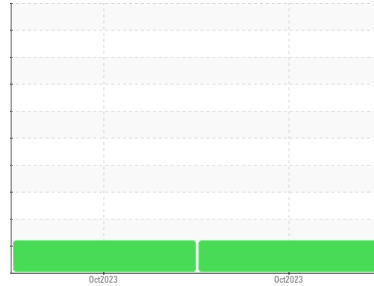
Sample Rating Trend

ISO



Area
[327959]
Machine Id
L170288430

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.

Corrosion

(sans objet)

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	CU0021585	CU0021587	---
Sample Date	Client Info	02 Oct 2023	02 Oct 2023	---
Machine Age	hrs	Client Info	0	0
Sample Status			ABNORMAL	ABNORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	0.839	0.828	0.828
Fuel Color	text	Visual Screen*	Yellow	Pink
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2
Pensky-Martens Flash Point	°C	ASTM D7215*	52	51.8

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	9

DISTILLATION

method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	160
5% Distillation Point	°C	ASTM D2887*		181
10% Distill Point	°C	ASTM D2887*	201	190
15% Distillation Point	°C	ASTM D2887*		197
20% Distill Point	°C	ASTM D2887*	216	204
30% Distill Point	°C	ASTM D2887*	230	217
40% Distill Point	°C	ASTM D2887*	243	230
50% Distill Point	°C	ASTM D2887*	255	243
60% Distill Point	°C	ASTM D2887*	267	259
70% Distill Point	°C	ASTM D2887*	280	274
80% Distill Point	°C	ASTM D2887*	295	293
85% Distillation Point	°C	ASTM D2887*		307
90% Distill Point	°C	ASTM D2887*	310	320
95% Distillation Point	°C	ASTM D2887*		342
Final Boiling Point	°C	ASTM D2887*	341	370

IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D1298*	37.7	39	39
Cetane Index	ASTM D4737*	<40.0	48	48

CONTAMINANTS

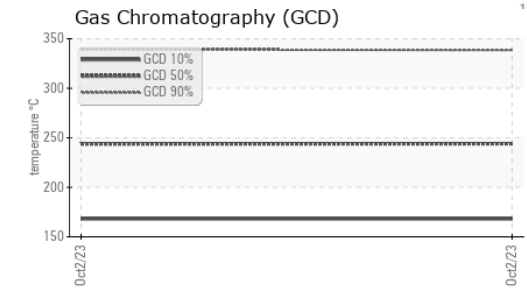
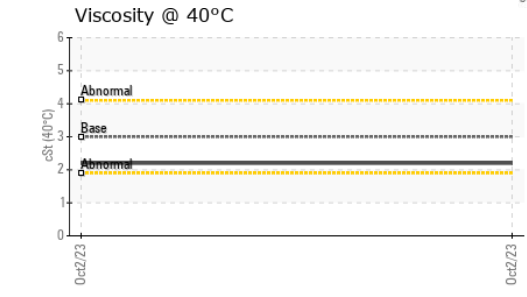
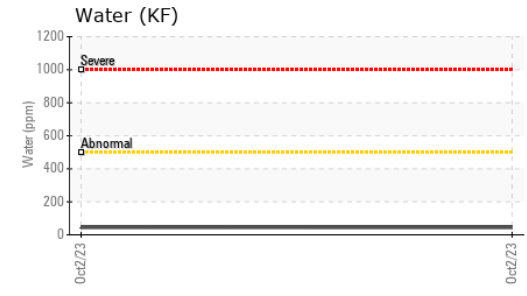
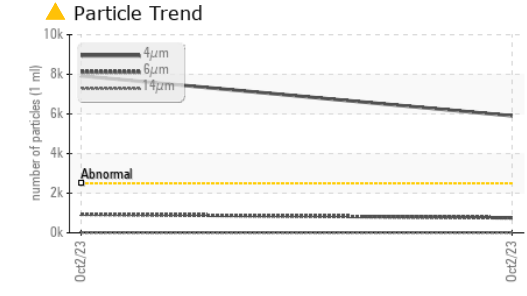
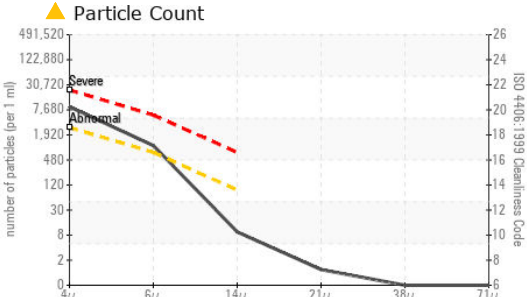
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0
Sodium	ppm	ASTM D5185(m)	<0.1	0
Potassium	ppm	ASTM D5185(m)	<0.1	<1
Water	%	ASTM D6304*	<0.05	0.004
ppm Water	ppm	ASTM D6304*	<500	44.6

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 7921	▲ 5905
Particles >6µm	ASTM D7647	>640	▲ 935	▲ 756
Particles >14µm	ASTM D7647	>80	8	11
Particles >21µm	ASTM D7647	>20	1	1
Particles >38µm	ASTM D7647	>4	0	0
Particles >71µm	ASTM D7647	>3	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 20/17/10	▲ 20/17/11



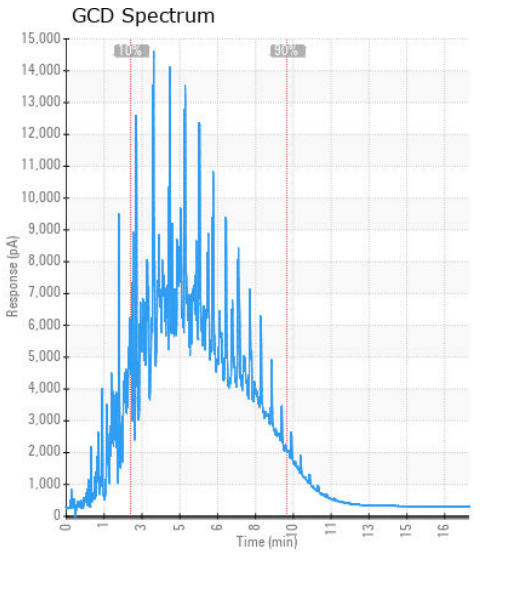
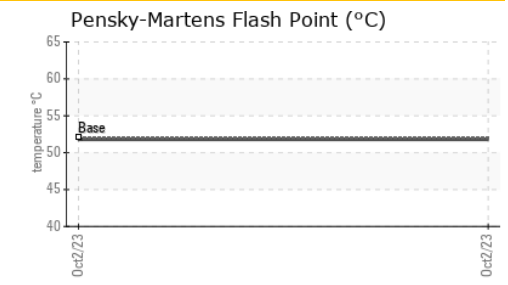
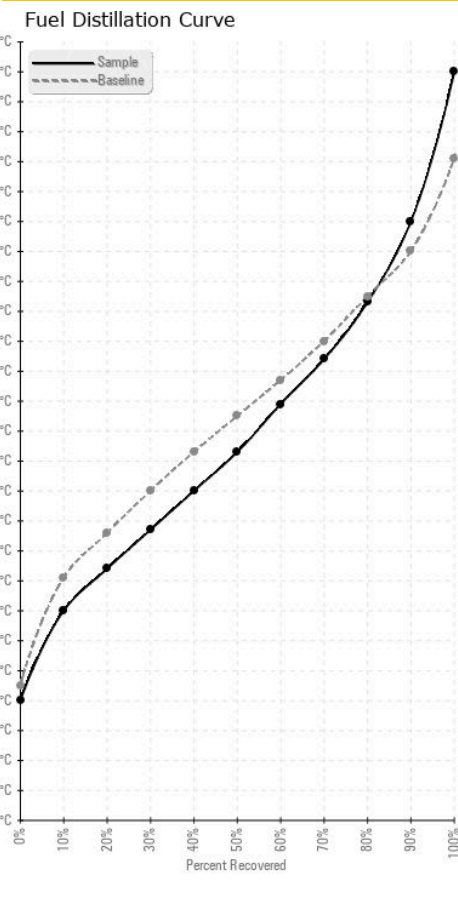
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HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	0	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	0	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	0	0	---
Zinc	ppm	ASTM D5185(m)	<0.1	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. : CU0021585
Lab Number : 02586547
Unique Number : 5655613
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)
 Received : 03 Oct 2023
 Diagnosed : 04 Oct 2023
 Diagnostician : Kevin Marson
 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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