FUEL REPORT

Sample Rating Trend

ISO

Area
[6100095675]
Machine Id
6100095675
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. La propreté du système est supérieure à la limite acceptable pour votre objectif de propreté ISO 4406.

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		**WA0020085**	---	---
Sample Date		Client Info		**28 Aug 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Sample Status				**ABNORMAL**	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	**0.834**	---	---
Fuel Color	text	Visual Screen*	Yllow	**Pink**	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	**2.2**	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	**49.4**	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	**7**	---	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	**157**	---	---
5% Distillation Point	°C	ASTM D2887*		**177**	---	---
10% Distill Point	°C	ASTM D2887*	201	**187**	---	---
15% Distillation Point	°C	ASTM D2887*		**195**	---	---
20% Distill Point	°C	ASTM D2887*	216	**204**	---	---
30% Distill Point	°C	ASTM D2887*	230	**219**	---	---
40% Distill Point	°C	ASTM D2887*	243	**235**	---	---
50% Distill Point	°C	ASTM D2887*	255	**250**	---	---
60% Distill Point	°C	ASTM D2887*	267	**265**	---	---
70% Distill Point	°C	ASTM D2887*	280	**280**	---	---
80% Distill Point	°C	ASTM D2887*	295	**297**	---	---
85% Distillation Point	°C	ASTM D2887*		**308**	---	---
90% Distill Point	°C	ASTM D2887*	310	**320**	---	---
95% Distillation Point	°C	ASTM D2887*		**340**	---	---
Final Boiling Point	°C	ASTM D2887*	341	**359**	---	---

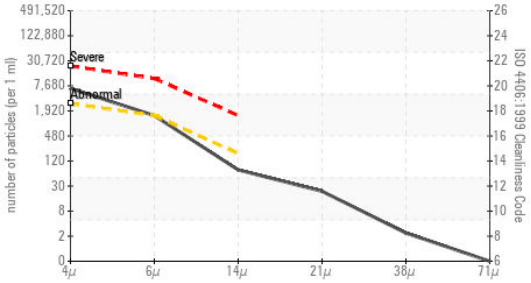
IGNITION QUALITY	method	limit/base	current	history1	history2
API Gravity	ASTM D1298*	37.7	**38**	---	---
Cetane Index	ASTM D4737*	<40.0	**47**	---	---

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	**0.003**	---	---
ppm Water	ppm	ASTM D6304*	<500	**28.1**	---	---

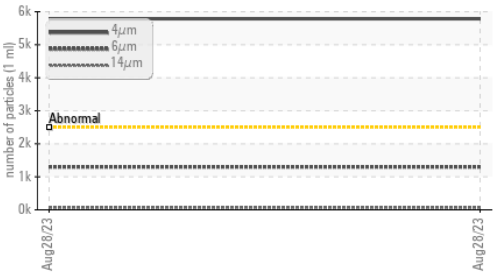
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ **5786**	---	---
Particles >6µm	ASTM D7647	>1300	**1299**	---	---
Particles >14µm	ASTM D7647	>160	**65**	---	---
Particles >21µm	ASTM D7647	>40	**20**	---	---
Particles >38µm	ASTM D7647	>10	**2**	---	---
Particles >71µm	ASTM D7647	>3	**0**	---	---
Oil Cleanliness	ISO 4406 (c)	>18/17/14	▲ **20/17/13**	---	---

FUEL REPORT

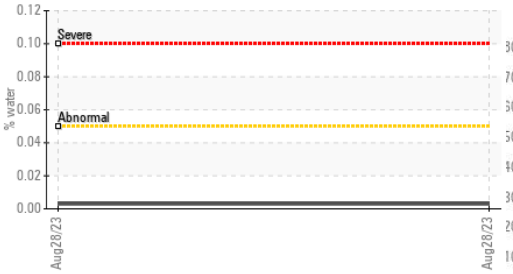
Particle Count



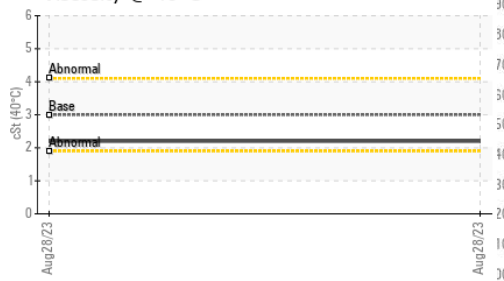
Particle Trend



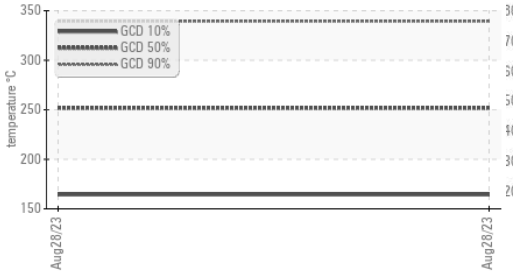
Water



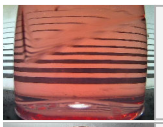
Viscosity @ 40°C



Gas Chromatography (GCD)

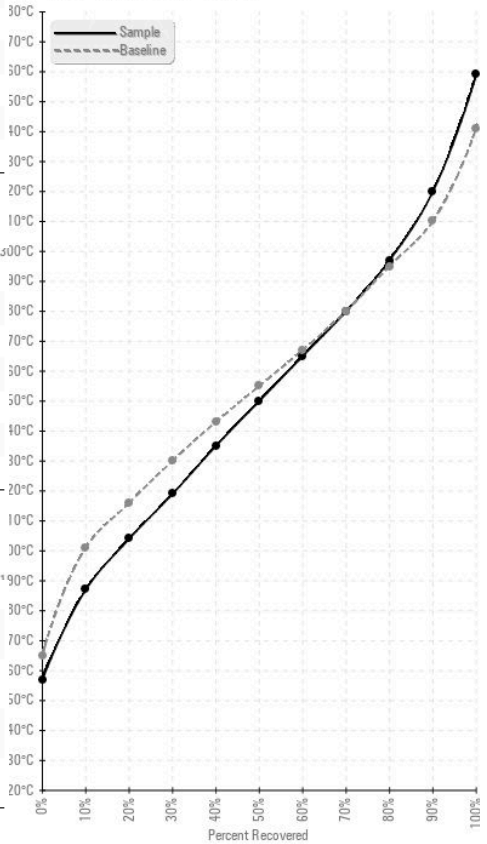


HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Lead	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Iron	ppm	ASTM D5185(m)	<0.1	**<1**	---	---
Calcium	ppm	ASTM D5185(m)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

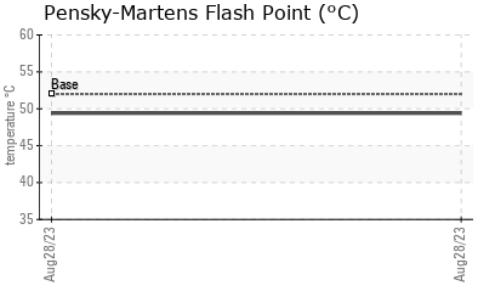
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

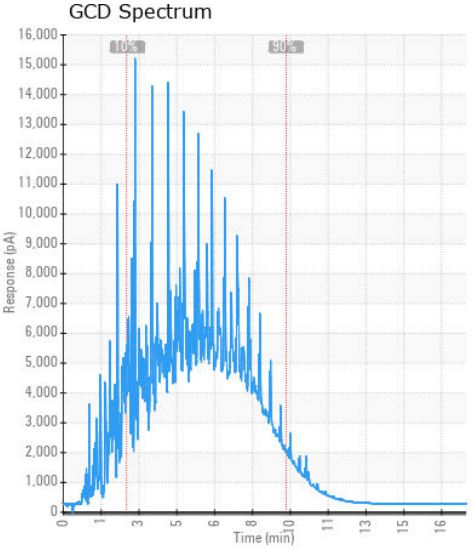
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020085 **Received** : 31 Aug 2023
Lab Number : 02579829 **Diagnosed** : 05 Sep 2023
Unique Number : 5632889 **Diagnostician** : 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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