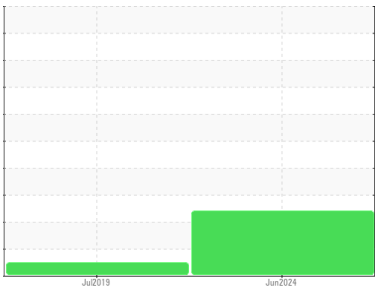
FUEL REPORT

Sample Rating Trend



VISCOSITY

Area
ESTRUXTURE [334017]
Machine Id
TANK 1
Component
Tank Diesel Fuel
Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de remplacer le filtre et d`utiliser un système de filtrage hors-ligne afin d`améliorer la propreté du fluide. Nous vous recommandons de filtrer ce fluide avant de l`utiliser. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

Contaminants

Il y a une quantité modérée de matières particulaires (2 à 100 µm de taille) présente 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**CU0022975**	CU0015370	---
Sample Date		Client Info		**26 Jun 2024**	02 Jul 2019	---
Machine Age	hrs	Client Info		**0**	0	---
Sample Status				**ABNORMAL**	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	**0.820**	0.822	---
Fuel Color	text	Visual Screen*	Yllow	**Pink**	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	▲ **1.9**	2.1	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	**51**	52	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	**5**	6	---

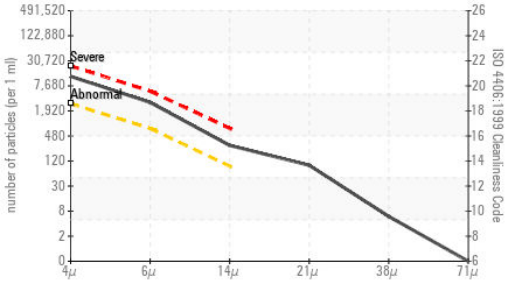
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	**159**	157	---
5% Distillation Point	°C	ASTM D2887*		**178**	181	---
10% Distill Point	°C	ASTM D2887*	201	**185**	191	---
15% Distillation Point	°C	ASTM D2887*		**191**	197	---
20% Distill Point	°C	ASTM D2887*	216	**197**	204	---
30% Distill Point	°C	ASTM D2887*	230	**208**	215	---
40% Distill Point	°C	ASTM D2887*	243	**220**	227	---
50% Distill Point	°C	ASTM D2887*	255	**231**	240	---
60% Distill Point	°C	ASTM D2887*	267	**244**	253	---
70% Distill Point	°C	ASTM D2887*	280	**256**	268	---
80% Distill Point	°C	ASTM D2887*	295	**273**	286	---
85% Distillation Point	°C	ASTM D2887*		**286**	296	---
90% Distill Point	°C	ASTM D2887*	310	**298**	308	---
95% Distillation Point	°C	ASTM D2887*		**319**	326	---
Final Boiling Point	°C	ASTM D2887*	341	**353**	338	---
Distillation Residue	%	ASTM D86(e)*	3.0	**---**	1.4	---
Distillation Loss	%	ASTM D86(e)*	3.0	**---**	0.4	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	**41**	40.6	---
Cetane Index		ASTM D4737*	<40.0	**48**	50.2	---

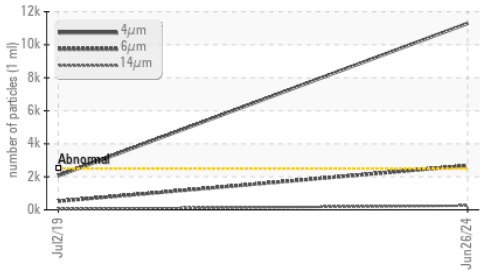
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	**0**	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	**0**	<1	---
Potassium	ppm	ASTM D5185(m)	<0.1	**0**	0	---
Water	%	ASTM D6304*	<0.05	**0.003**	0.003	---
ppm Water	ppm	ASTM D6304*	<500	**30**	31.9	---

FUEL REPORT

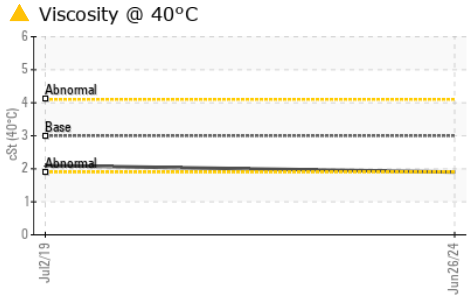
Particle Count



Particle Trend

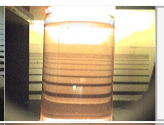
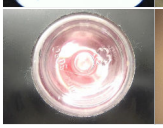


Viscosity @ 40°C



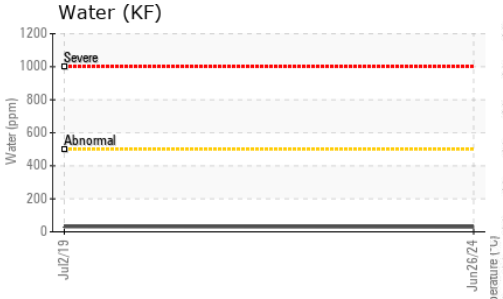
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	▲ **11295**	2060	---
Particles >6µm		ASTM D7647	>640	▲ **2681**	517	---
Particles >14µm		ASTM D7647	>80	▲ **251**	44	---
Particles >21µm		ASTM D7647	>20	▲ **84**	11	---
Particles >38µm		ASTM D7647	>4	**5**	0	---
Particles >71µm		ASTM D7647	>3	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ **21/19/15**	18/16/13	---

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	**0**	0	---
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	**<1**	0	---
Zinc	ppm	ASTM D5185(m)	<0.1	**0**	0	---

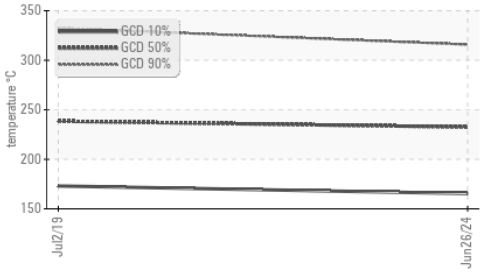
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

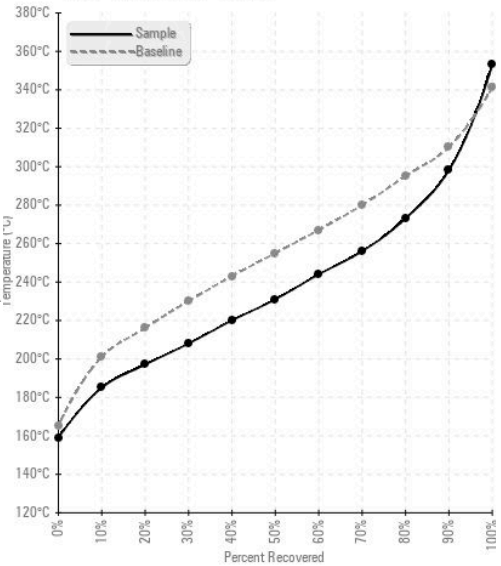
Water (KF)



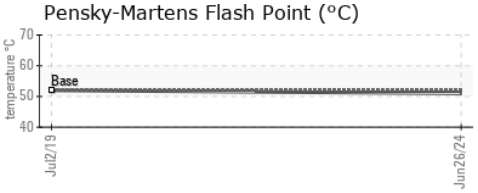
Gas Chromatography (GCD)



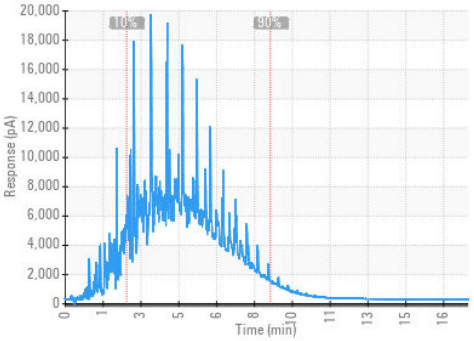
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022975
Lab Number : 02645997
Unique Number : 5811549
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

Received : 05 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - 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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