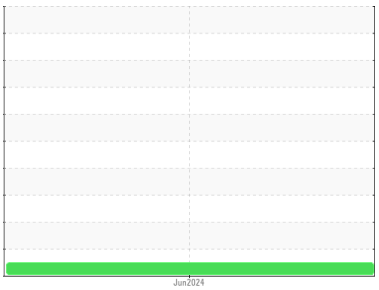
FUEL REPORT

Sample Rating Trend



NORMAL

Area
ESTRUXTURE
Machine Id
TANK 5
Component
Tank 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. Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

Contaminants
La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. Il n`y a aucun indice de contamination dans le carburant diesel.

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).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**CU0022979**	---	---
Sample Date		Client Info		**22 Jun 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Sample Status				**NORMAL**	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	**0.828**	---	---
Fuel Color	text	Visual Screen*	Yllow	**Pink**	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	**2**	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	**50.4**	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	**4**	---	---

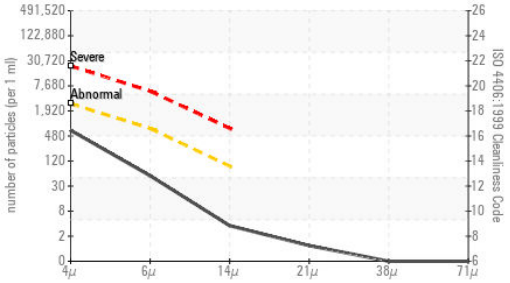
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	**159**	---	---
5% Distillation Point	°C	ASTM D2887*		**180**	---	---
10% Distill Point	°C	ASTM D2887*	201	**188**	---	---
15% Distillation Point	°C	ASTM D2887*		**195**	---	---
20% Distill Point	°C	ASTM D2887*	216	**202**	---	---
30% Distill Point	°C	ASTM D2887*	230	**215**	---	---
40% Distill Point	°C	ASTM D2887*	243	**228**	---	---
50% Distill Point	°C	ASTM D2887*	255	**240**	---	---
60% Distill Point	°C	ASTM D2887*	267	**255**	---	---
70% Distill Point	°C	ASTM D2887*	280	**269**	---	---
80% Distill Point	°C	ASTM D2887*	295	**286**	---	---
85% Distillation Point	°C	ASTM D2887*		**298**	---	---
90% Distill Point	°C	ASTM D2887*	310	**310**	---	---
95% Distillation Point	°C	ASTM D2887*		**329**	---	---
Final Boiling Point	°C	ASTM D2887*	341	**353**	---	---

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	**0**	---	---
Water	%	ASTM D6304*	<0.05	**0.003**	---	---
ppm Water	ppm	ASTM D6304*	<500	**33**	---	---

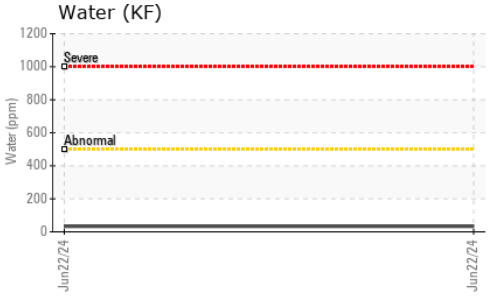
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	**576**	---	---
Particles >6µm		ASTM D7647	>640	**47**	---	---
Particles >14µm		ASTM D7647	>80	**3**	---	---
Particles >21µm		ASTM D7647	>20	**1**	---	---
Particles >38µm		ASTM D7647	>4	**0**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	**16/13/9**	---	---

FUEL REPORT

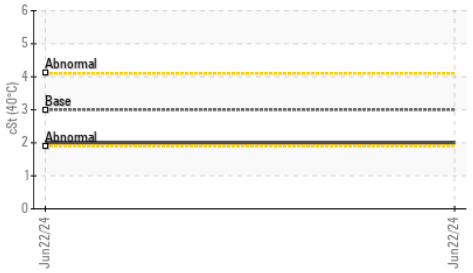
Particle Count



Water (KF)

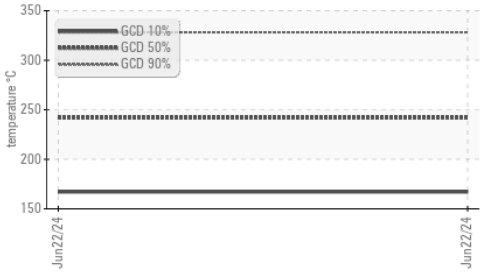


Viscosity @ 40°C

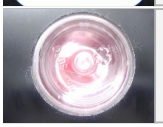


Particle Trend

Gas Chromatography (GCD)

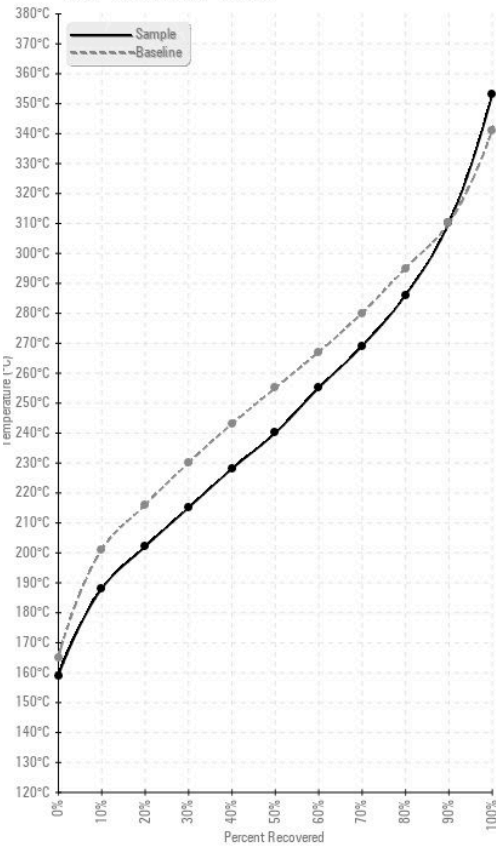


HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Lead	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Iron	ppm	ASTM D5185(m)	<0.1	**0**	---	---
Calcium	ppm	ASTM D5185(m)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

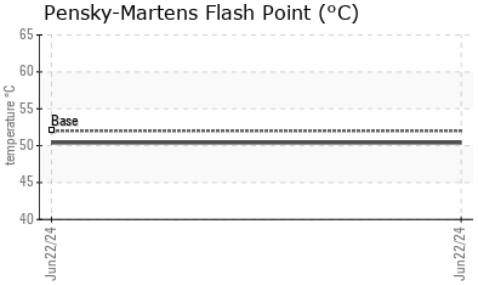
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

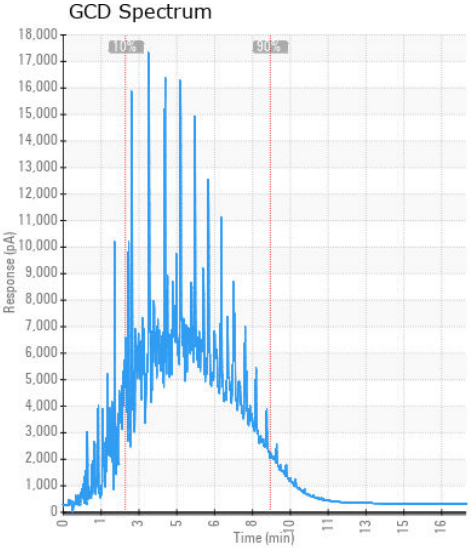
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



CALA
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022979
Lab Number : 02645995
Unique Number : 5811547
Test Package : FUEL (Additional Tests: CC Flash, PRTCOUNT)
Received : 05 Jul 2024
Tested : 12 Jul 2024
Diagnosed : 12 Jul 2024 - Kevin Marson

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CANDIAC, QC
CA J5R 6Z7
Contact: Thomas Owens
is275@cummins.com
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F: (450)638-1202

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.