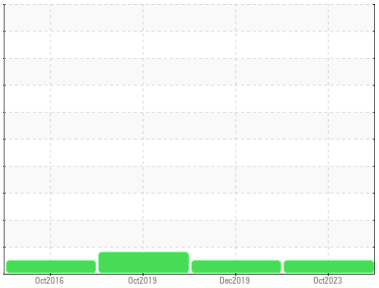
FUEL REPORT

Sample Rating Trend



NORMAL

Area
[328143]
Machine Id
E00706 G120360279
Component
Diesel Fuel
Fluid
No.1 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.

Corrosion
{sans objet}

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.1 (US EPA/CGSB-3.517-3 type A).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**CU0021606**	CU0016053	CU0014723
Sample Date		Client Info		**17 Oct 2023**	09 Dec 2019	09 Oct 2019
Machine Age	hrs	Client Info		**299**	0	0
Sample Status				**NORMAL**	NORMAL	ATTENTION

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.825	**0.815**	0.813	0.819
Fuel Color	text	Visual Screen*	Clear	**Red**	Red	Pink
Visc @ 40°C	cSt	ASTM D7279(m)	1.8	**1.6**	1.6	1.6
Pensky-Martens Flash Point	°C	ASTM D7215*	38	**47**	46	45

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	**14**	10	10

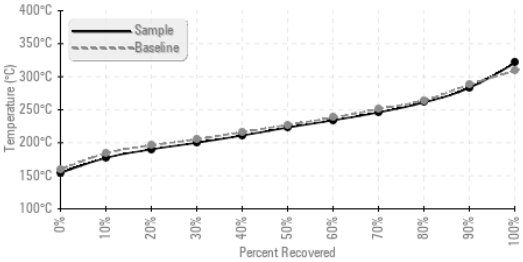
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	159	**154**	143	146
5% Distillation Point	°C	ASTM D2887*		**172**	164	165
10% Distill Point	°C	ASTM D2887*	184	**177**	172	171
15% Distillation Point	°C	ASTM D2887*		**183**	177	176
20% Distill Point	°C	ASTM D2887*	196	**190**	182	181
30% Distill Point	°C	ASTM D2887*	205	**200**	193	192
40% Distill Point	°C	ASTM D2887*	216	**211**	205	204
50% Distill Point	°C	ASTM D2887*	227	**223**	218	218
60% Distill Point	°C	ASTM D2887*	238	**234**	231	232
70% Distill Point	°C	ASTM D2887*	251	**246**	244	247
80% Distill Point	°C	ASTM D2887*	264	**261**	259	263
85% Distillation Point	°C	ASTM D2887*		**272**	269	273
90% Distill Point	°C	ASTM D2887*	288	**283**	280	285
95% Distillation Point	°C	ASTM D2887*		**301**	297	301
Final Boiling Point	°C	ASTM D2887*	309	**321**	312	315
Distillation Residue	%	ASTM D86(e)*	3.0	**---**	1.3	1.3
Distillation Loss	%	ASTM D86(e)*	3.0	**---**	0.5	0.6

IGNITION QUALITY	method	limit/base	current	history1	history2
API Gravity	ASTM D1298*	40.1	**42**	42.5	41.3
Cetane Index	ASTM D4737*	<40.0	**48**	47.2	44.9

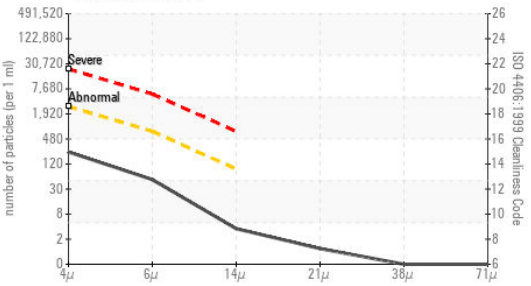
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	**<1**	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	**<1**	0	<1
Potassium	ppm	ASTM D5185(m)	<0.1	**0**	<1	<1
Water	%	ASTM D6304*	<0.05	**0.002**	0.000	0.001
ppm Water	ppm	ASTM D6304*	<500	**23.4**	7.3	19.9

FUEL REPORT

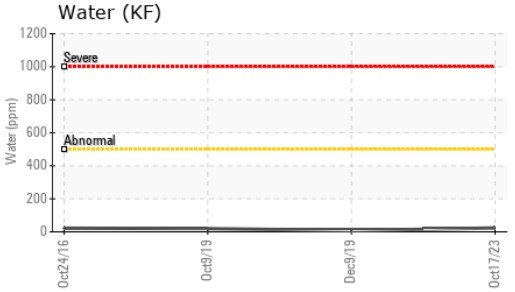
Fuel Distillation Curve



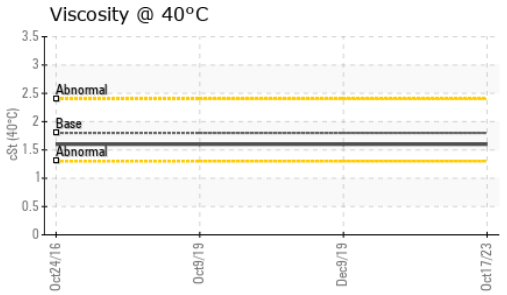
Particle Count



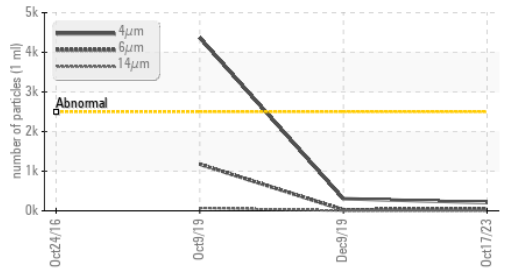
Water (KF)



Viscosity @ 40°C

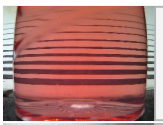
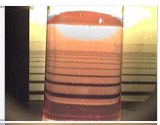


Particle Trend



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	**206**	306	▲ 4366
Particles >6µm	ASTM D7647	>640	**45**	25	▲ 1176
Particles >14µm	ASTM D7647	>80	**3**	3	72
Particles >21µm	ASTM D7647	>20	**1**	1	16
Particles >38µm	ASTM D7647	>4	**0**	0	0
Particles >71µm	ASTM D7647	>3	**0**	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	**15/13/9**	15/12/9	▲ 19/17/13

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Lead	ppm	ASTM D5185(m)	<0.1	**<1**	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	**0**	0	0
Iron	ppm	ASTM D5185(m)	<0.1	**<1**	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	**2**	<1	<1
Magnesium	ppm	ASTM D5185(m)	<0.1	**<1**	<1	<1
Phosphorus	ppm	ASTM D5185(m)	<0.1	**<1**	<1	<1
Zinc	ppm	ASTM D5185(m)	<0.1	**1**	<1	<1

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

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021606
Lab Number : 02592771
Unique Number : 5669850
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PRTCOUNT)

Received : 30 Oct 2023
Diagnosed : 08 Nov 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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