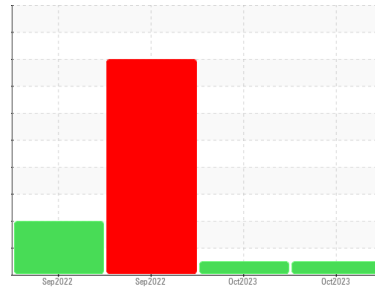




FUEL REPORT

Sample Rating Trend



NORMAL



Area
[327958]
 Machine Id
L170288431 - G2

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. 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.2 (US EPA/CGSB-3.517-3 type B).

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			CU0021588	CU0021586	CU0019374
Sample Date	Client Info			02 Oct 2023	02 Oct 2023	25 Sep 2022
Machine Age	hrs	Client Info		0	0	0
Sample Status				NORMAL	NORMAL	SEVERE

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.828	0.828	0.829
Fuel Color	text	Visual Screen*	Yellow	Pink	Pink	Orang
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2	2.1	2.1
Pensky-Martens Flash Point	°C	ASTM D7215*	52	51.9	51.9	51.9

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

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	160	160	155
5% Distillation Point	°C	ASTM D2887*		181	181	176
10% Distill Point	°C	ASTM D2887*	201	190	190	187
15% Distillation Point	°C	ASTM D2887*		197	197	195
20% Distill Point	°C	ASTM D2887*	216	204	204	202
30% Distill Point	°C	ASTM D2887*	230	217	217	216
40% Distill Point	°C	ASTM D2887*	243	229	229	229
50% Distill Point	°C	ASTM D2887*	255	242	242	243
60% Distill Point	°C	ASTM D2887*	267	258	258	258
70% Distill Point	°C	ASTM D2887*	280	274	274	274
80% Distill Point	°C	ASTM D2887*	295	293	293	293
85% Distillation Point	°C	ASTM D2887*		306	306	304
90% Distill Point	°C	ASTM D2887*	310	320	319	318
95% Distillation Point	°C	ASTM D2887*		342	341	337
Final Boiling Point	°C	ASTM D2887*	341	369	368	347

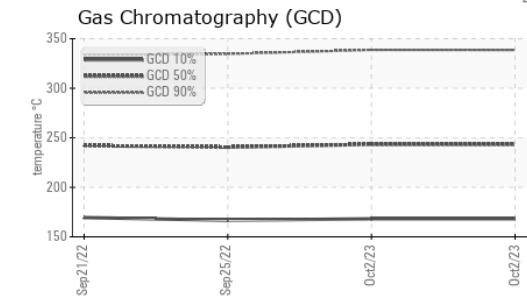
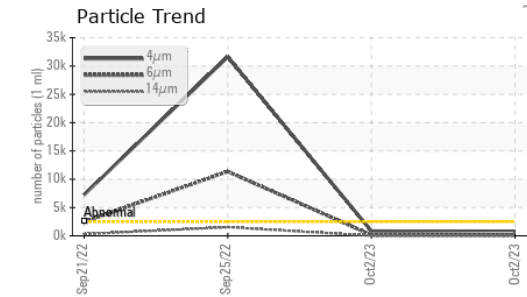
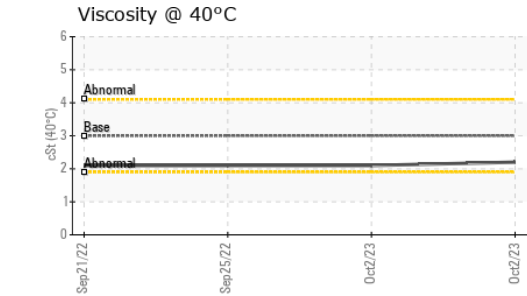
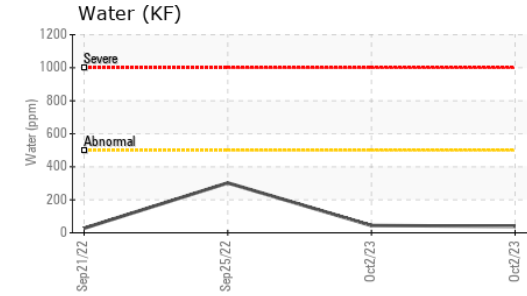
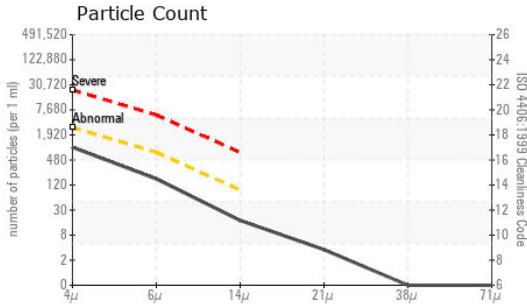
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	39	39	39
Cetane Index		ASTM D4737*	<40.0	48	48	48

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	0
Potassium	ppm	ASTM D5185(m)	<0.1	<1	<1	0
Water	%	ASTM D6304*	<0.05	0.003	0.004	0.030
ppm Water	ppm	ASTM D6304*	<500	39.3	44.2	302.3

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	849	673	31608
Particles >6µm		ASTM D7647	>640	148	122	11355
Particles >14µm		ASTM D7647	>80	15	9	1515
Particles >21µm		ASTM D7647	>20	3	2	516
Particles >38µm		ASTM D7647	>4	0	0	26
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>18/16/13	17/14/11	17/14/10	22/21/18



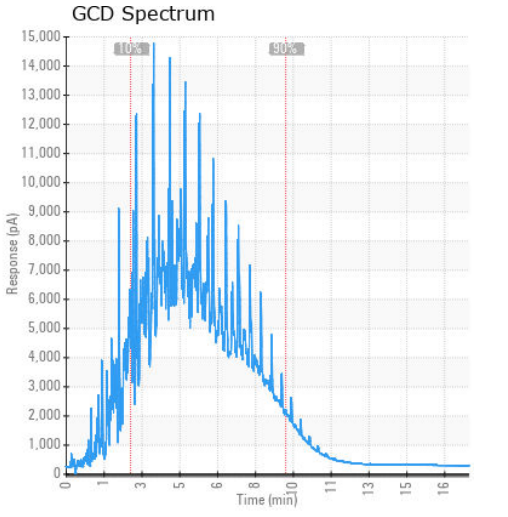
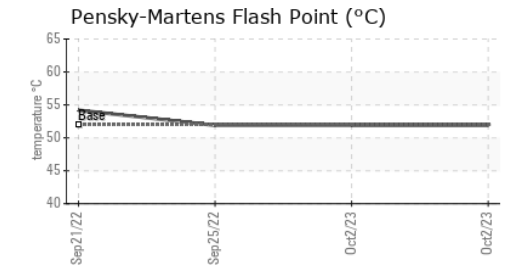
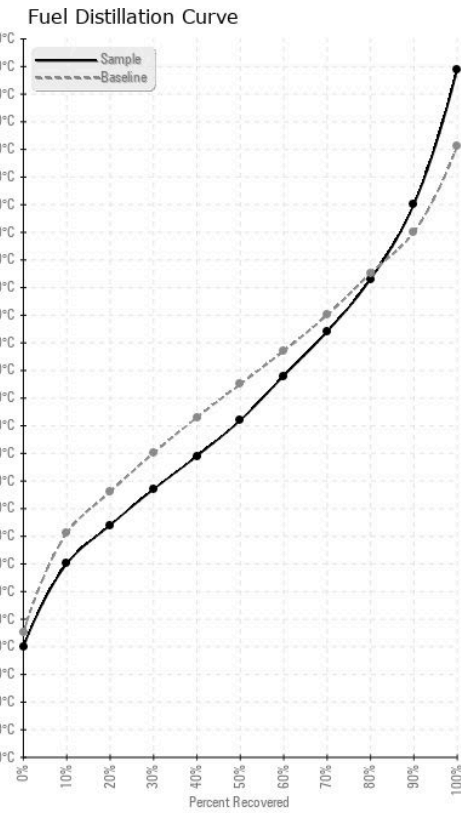
FUEL REPORT



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)	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	0	<1
Magnesium	ppm	ASTM D5185(m)	<0.1	0	0
Phosphorus	ppm	ASTM D5185(m)	<0.1	0	<1
Zinc	ppm	ASTM D5185(m)	<0.1	0	<1

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021588
Lab Number : 02586546
Unique Number : 5655612
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

CUMMINS EASTERN CANADA LP
 315 AV LIBERTE
 CANDIAC, QC
 CA J5R 6Z7
 Contact: Thomas Owens
 is275@cummins.com
 T: (450)638-6863
 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.