

FUEL REPORT

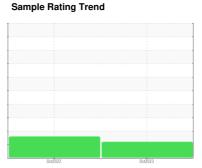
XEROX [148457] Machine Id 79627536

Component

Diecol Fue

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)





DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you filter this fluid before use. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Corrosion

{not applicable}

Contaminants

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

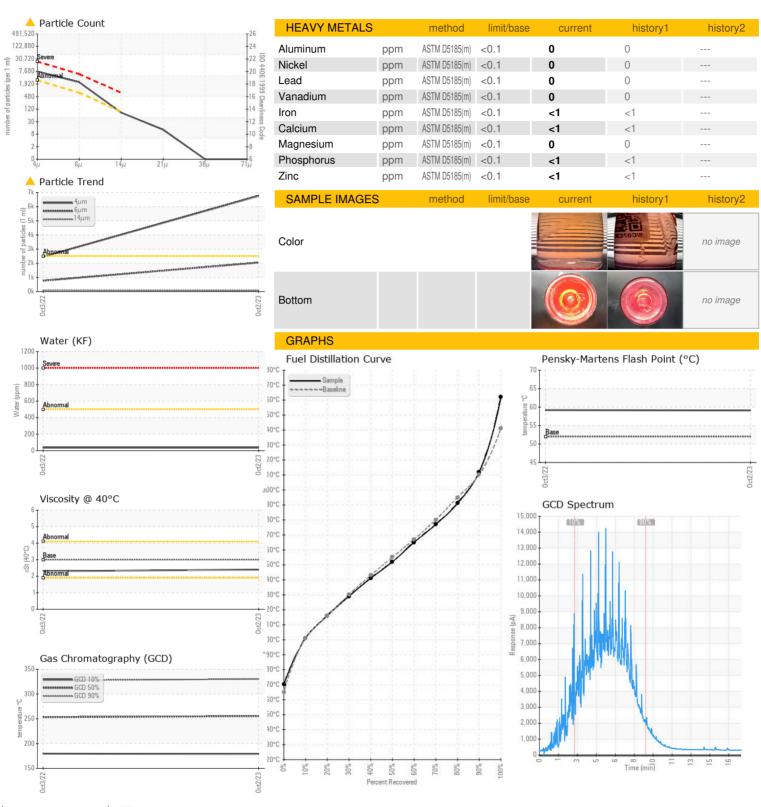
Fuel Condition

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

R) (GAL)			0et2022	Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0021904	CU0020128	
Sample Date		Client Info		02 Oct 2023	03 Oct 2022	
Machine Age	hrs	Client Info		204	196	
Sample Status	1113	Oliciti IIIIo		ABNORMAL	ABNORMAL	
				-		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.839	0.838	
Fuel Color	text	Visual Screen*	Yllow	Orang	Orang	
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.4	2.3	
Pensky-Martens Flash Point	°C	ASTM D7215*	52	59.1	59.2	
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	8	9	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	170	158	
5% Distillation Point	°C	ASTM D2887*		191	187	
10% Distill Point	°C	ASTM D2887*	201	201	198	
15% Distillation Point	°C	ASTM D2887*		208	207	
20% Distill Point	°C	ASTM D2887*	216	216	213	
30% Distill Point	°C	ASTM D2887*	230	229	227	
40% Distill Point	°C	ASTM D2887*	243	241	239	
50% Distill Point	°C	ASTM D2887*	255	252	251	
60% Distill Point	°C	ASTM D2887*	267	265	265	
70% Distill Point	°C	ASTM D2887*	280	277	278	
80% Distill Point	°C	ASTM D2887*	295	291	292	
85% Distillation Point	°C	ASTM D2887*		302	301	
90% Distill Point	°C	ASTM D2887*	310	312	313	
95% Distillation Point	°C	ASTM D2887*		330	332	
Final Boiling Point	°C	ASTM D2887*	341	362	348	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	37	37	
Cetane Index		ASTM D4737*	<40.0	47	47	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	
Potassium	ppm	ASTM D5185(m)	<0.1	<1	0	
Water	%	ASTM D6304*	< 0.05	0.003	0.003	
ppm Water	ppm	ASTM D6304*	<500	35.8	35.9	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	△ 6756	2460	
Particles >6µm		ASTM D7647	>640	<u>△</u> 2044	<u> </u>	
Particles >14µm		ASTM D7647	>80	72	<u></u> 94	
Particles >21µm		ASTM D7647	>20	11	<u></u> 41	
Particles >38µm		ASTM D7647	>4	0	3	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>^</u> 20/18/13	▲ 18/17/14	
		1-7				



FUEL REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CUMMINS CANADA ULC - GENERATOR DIVISION : CU0021904

: 5658497

: 02589431

Received : 16 Oct 2023 Diagnosed : 18 Oct 2023

Diagnostician : Kevin Marson

Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

elisia.johnson@cummins.com T: (905)795-0050 F: (905)795-9252

7175 PACIFIC CIRCLE

Contact: Elisia Johnson

MISSISSAUGA, ON

CA L5T 2A5

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.