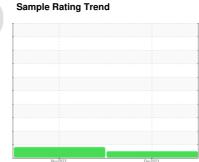


# **FUEL REPORT**







# Machine Id TILLEY Component **Diesel Fuel**

No.2 DIESEL FUEL (LOW-SULPHUR) (--- GA

#### Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

#### Corrosion

{not applicable}

### Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

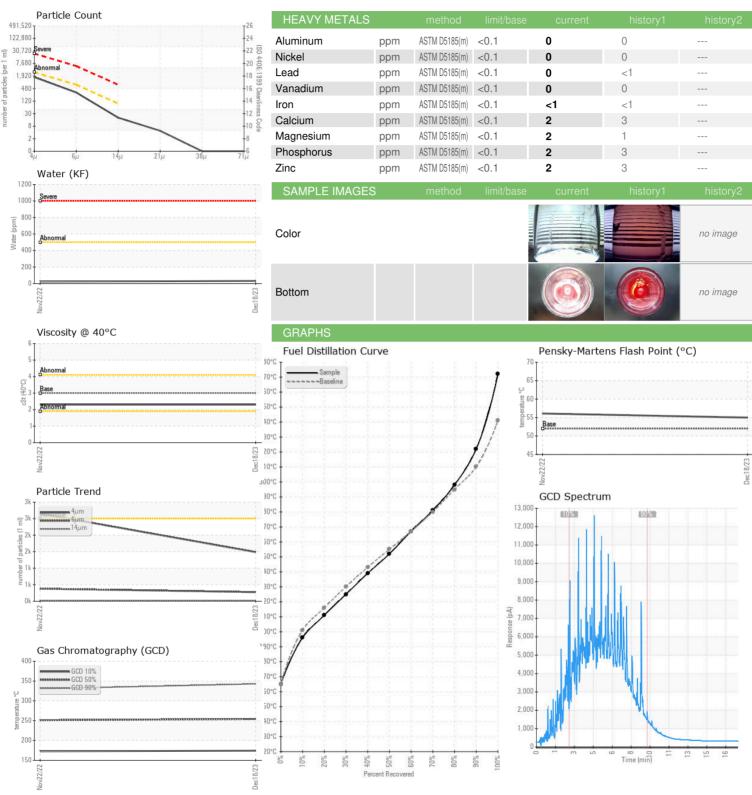
#### **Fuel Condition**

All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur (US EPA/CGSB-3.517-3 type B).

iAL)			Nov2022	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0019834	CU0019859	
Sample Date		Client Info		18 Dec 2023	22 Nov 2022	
Machine Age	hrs	Client Info		0	350	
Sample Status				NORMAL	ATTENTION	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.833	0.825	
Fuel Color	text	Visual Screen*	Yllow	Pink	Red	
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.3	2.3	
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55	56.1	
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	18	22	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	165	166	
5% Distillation Point	°C	ASTM D2887*		187	186	
10% Distill Point	°C	ASTM D2887*	201	196	194	
15% Distillation Point	°C	ASTM D2887*		203	201	
20% Distill Point	°C	ASTM D2887*	216	211	208	
30% Distill Point	°C	ASTM D2887*	230	225	222	
40% Distill Point	°C	ASTM D2887*	243	239	236	
50% Distill Point	°C	ASTM D2887*	255	252	249	
60% Distill Point	°C	ASTM D2887*	267	267	263	
70% Distill Point	°C	ASTM D2887*	280	281	276	
80% Distill Point	°C	ASTM D2887*	295	298	291	
85% Distillation Point	°C	ASTM D2887*		310	302	
90% Distill Point	°C	ASTM D2887*	310	322	312	
95% Distillation Point	°C	ASTM D2887*		342	332	
Final Boiling Point	°C	ASTM D2887*	341	372	357	
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38	40	
Cetane Index		ASTM D4737*	<40.0	49	51	
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	0.002	
ppm Water	ppm	ASTM D6304*	< 500	32	22.2	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	1486	▲ 2651	
Particles >6µm		ASTM D7647	>640	275	381	
Particles >14μm		ASTM D7647	>80	17	15	
Particles >21µm		ASTM D7647		4	4	
Particles >38µm		ASTM D7647	>4	0	1	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/15/11	<b>1</b> 9/16/11	



## **FUEL REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

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

: CU0019834

: 5697616

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02604531

Recieved : 20 Dec 2023 Diagnosed : 22 Dec 2023 Diagnostician : Kevin Marson

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

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.

**CUMMINS EASTERN CANADA LP** 3189 SWANSEA CRESCENT OTTAWA, ON

> **CA K1G 3W5** Contact: Cindy Harrison cindy.harrison@cummins.com T: (613)736-1146

F: x: