

## **FUEL REPORT**

Sample Rating Trend

## NORMAL

## Area **PENSKE** [158137] 471560

#### Component Diesel Fuel

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

#### DIAGNOSIS

#### Recommendation

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

#### 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**

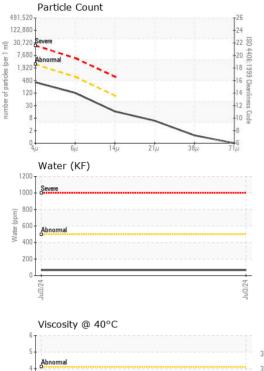
All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

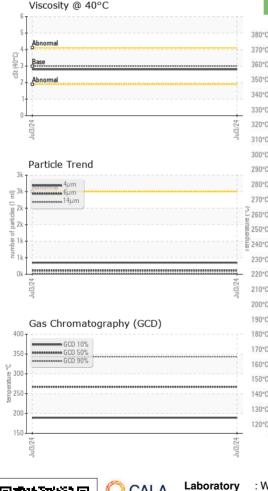
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0023998		
Sample Date		Client Info		03 Jul 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.852		
Fuel Color	text	Visual Screen*	Yllow	Yllow		
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.8		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	63.6		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	6		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	176		
5% Distillation Point	°C	ASTM D2887*		201		
10% Distill Point	°C	ASTM D2887*	201	211		
15% Distillation Point	°C	ASTM D2887*		219		
20% Distill Point	°C	ASTM D2887*	216	227		
30% Distill Point	°C	ASTM D2887*	230	240		
40% Distill Point	°C	ASTM D2887*	243	252		
50% Distill Point	°C	ASTM D2887*	255	264		
60% Distill Point	°C	ASTM D2887*	267	276		
70% Distill Point	°C	ASTM D2887*	280	289		
80% Distill Point	°C	ASTM D2887*	295	303		
85% Distillation Point	°C	ASTM D2887*	0.4.0	313		
90% Distill Point	°C	ASTM D2887*	310	324		
95% Distillation Point	°C	ASTM D2887*	0.44	343		
Final Boiling Point	°C	ASTM D2887*	341	361		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	34		
Cetane Index		ASTM D4737*	<40.0	45		
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	0.006		
ppm Water	ppm	ASTM D6304*	<500	66		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	350		
Particles >6µm		ASTM D7647	>640	107		
Particles >14µm		ASTM D7647	>80	14 F		
Particles >21µm		ASTM D7647		5		
Particles >38µm		ASTM D7647 ASTM D7647	>4 >3	1 0		
Particles >71µm Oil Cleanliness		ISO 4406 (c)	>3	0 16/14/11		
6:23:39) Bey: 1		(J) 00++ JU			 Luke Armstrond	

Contact/Location: Luke Armstrong - PEN181BUR



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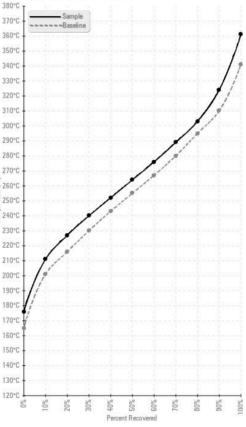
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0		
Nickel	ppm	ASTM D5185(m)	<0.1	0		
Lead	ppm	ASTM D5185(m)	<0.1	0		
Vanadium	ppm	ASTM D5185(m)	<0.1	0		
Iron	ppm	ASTM D5185(m)	<0.1	0		
Calcium	ppm	ASTM D5185(m)	<0.1	0		
Magnesium	ppm	ASTM D5185(m)	<0.1	0		
Phosphorus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

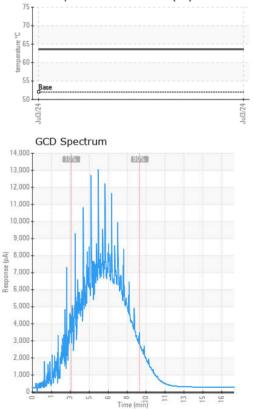
Color

Bottom

GRAPHS







: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : CU0023998 Received : 04 Jul 2024 Lab Number : 02645667 Tested : 08 Jul 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5803206 Diagnosed : 08 Jul 2024 - Kevin Marson Test Package : FUEL (Additional Tests: CC Flash, 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.

PENSKE 1815 IRONSTONE DR BURLINGTON, ON CA L7L 5T8 Contact: Luke Armstrong luke.armstrong@penske.com T: (289)880-0959 E:

Report Id: PEN181BUR [WCAMIS] 02645667 (Generated: 07/08/2024 16:23:39) Rev: 1

Contact/Location: Luke Armstrong - PEN181BUR