



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	SEVERE
FUEL CONDITION	NORMAL

Area
EASTLINE SUSSEX [71666]
 Machine Id
J180430981
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

RECOMMENDATION

Check seals and/or filters for points of contaminant entry. Laboratory test indicate that this fuel is suitable for use and meets all test requirements. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation.

CORROSION

{not applicable}

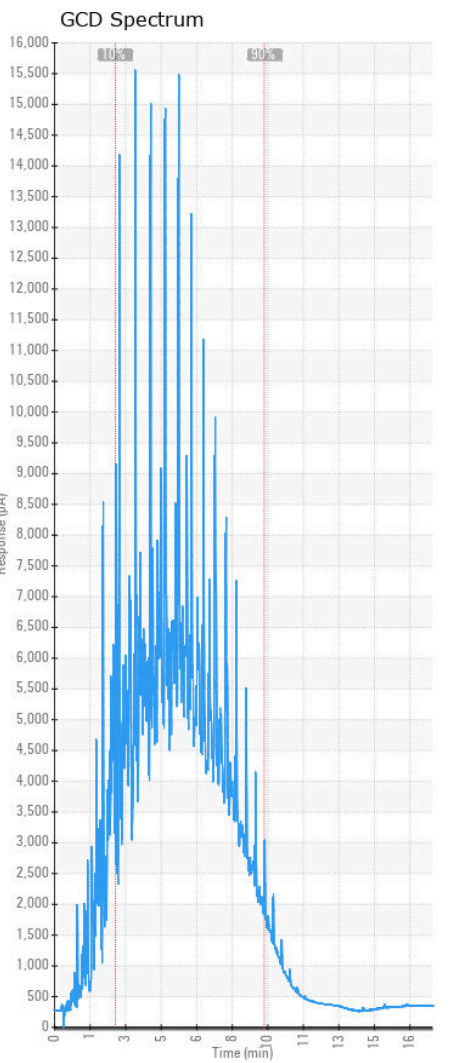
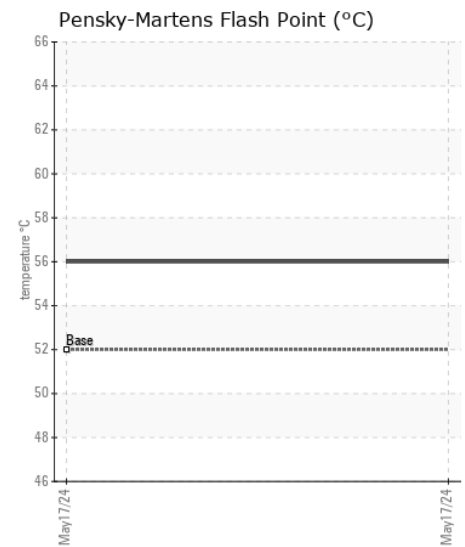
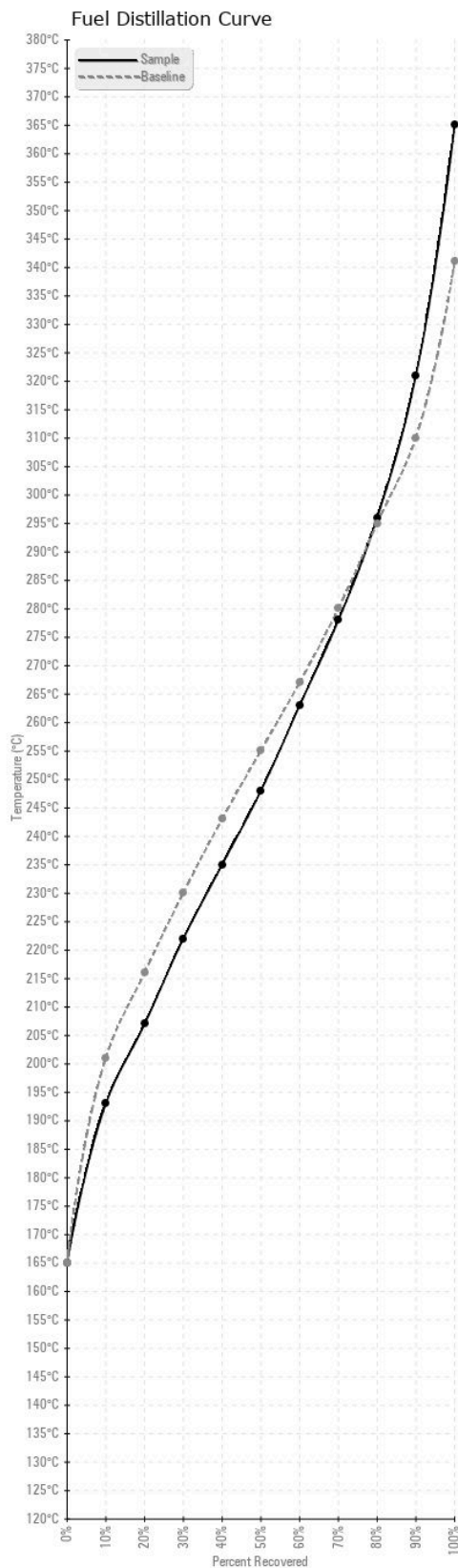
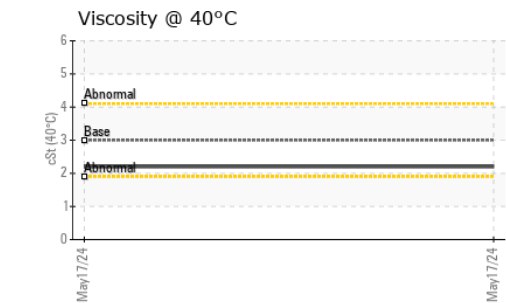
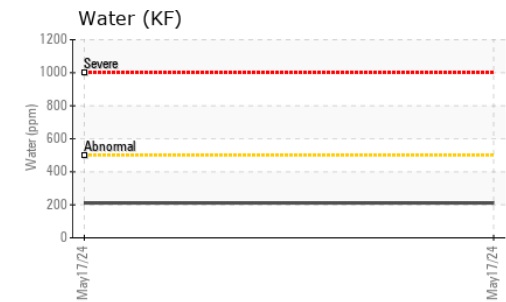
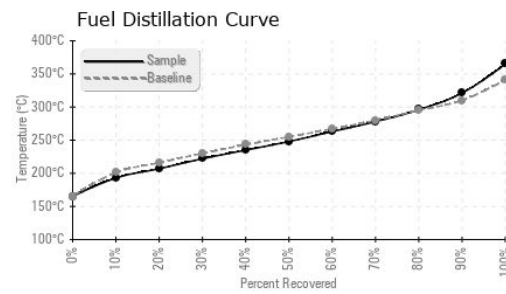
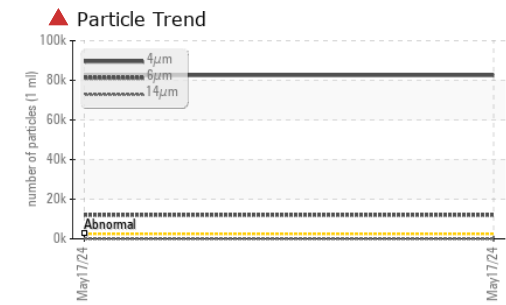
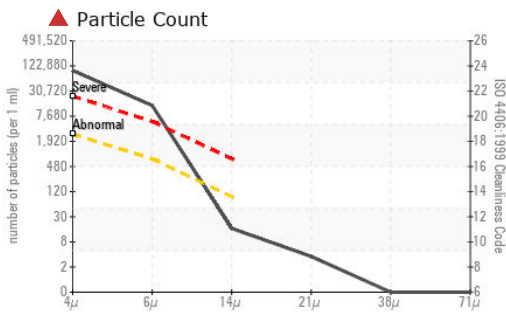
CONTAMINANTS

There is a high amount of silt (particulates < 14 microns in size) present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible.

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0021724	---	---
Sample Date		Client Info		17 May 2024	---	---
Machine Age	hrs	Client Info		201	---	---
Sample Status				SEVERE	---	---
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	2	---	---
Silicon	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
Water	%	ASTM D6304*	<0.05	0.021	---	---
ppm Water	ppm	ASTM D6304*	<500	211	---	---
Particles >4µm		ASTM D7647	>2500	▲ 82527	---	---
Particles >6µm		ASTM D7647	>640	▲ 12057	---	---
Particles >14µm		ASTM D7647	>80	14	---	---
Particles >21µm		ASTM D7647	>20	3	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 24/21/11	---	---
Bacteria	CFU/ml	ASTM D6469*	≥100000	0	---	---
Yeast	CFU/ml	ASTM D6469*	≥100000	0	---	---
Mold	Colonies	ASTM D6469*	MODER	NONE	---	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	---	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---	---
Zinc	ppm	ASTM D5185(m)	<0.1	0	---	---
Specific Gravity		ASTM D1298*	0.839	0.832	---	---
Fuel Color	text	Visual Screen*	Yllow	Brown	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	56	---	---
Sulfur	ppm	ASTM D5185(m)	250	186	---	---
Initial Boiling Point	°C	ASTM D2887*	165	165	---	---
10% Distill Point	°C	ASTM D2887*	201	193	---	---
20% Distill Point	°C	ASTM D2887*	216	207	---	---
30% Distill Point	°C	ASTM D2887*	230	222	---	---
40% Distill Point	°C	ASTM D2887*	243	235	---	---
50% Distill Point	°C	ASTM D2887*	255	248	---	---
60% Distill Point	°C	ASTM D2887*	267	263	---	---
70% Distill Point	°C	ASTM D2887*	280	278	---	---
80% Distill Point	°C	ASTM D2887*	295	296	---	---
90% Distill Point	°C	ASTM D2887*	310	321	---	---
Final Boiling Point	°C	ASTM D2887*	341	365	---	---
API Gravity		ASTM D1298*	37.7	38	---	---
Cetane Index		ASTM D4737*	<40.0	48	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021724
Lab Number : **02637562**
Unique Number : 5786724
Test Package : FUEL (Additional Tests: Bacteria, CC Flash, PQ, PrtCount)

Received : 24 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Kevin Marson

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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.