



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	NORMAL



Area
WESTCON EQUIPMENT
Machine Id
VOLVO L20GS 3224779
Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

RECOMMENDATION

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you filter this fluid before use. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP453742	---	---
Sample Date		Client Info		24 May 2024	---	---
Machine Age	hrs	Client Info		195	---	---
Sample Status				ABNORMAL	---	---

CORROSION

{not applicable}

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	---	---

CONTAMINANTS

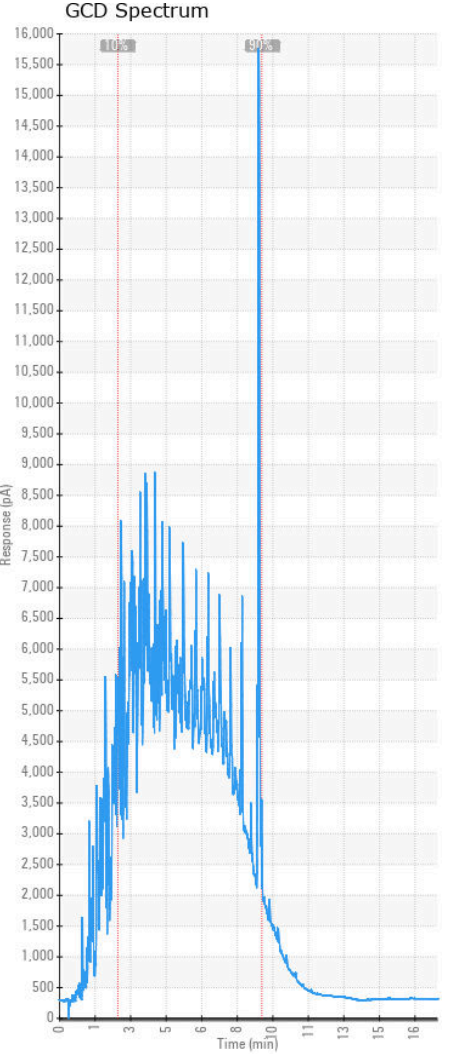
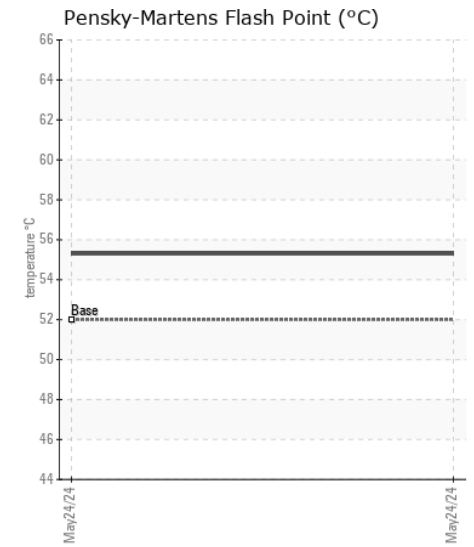
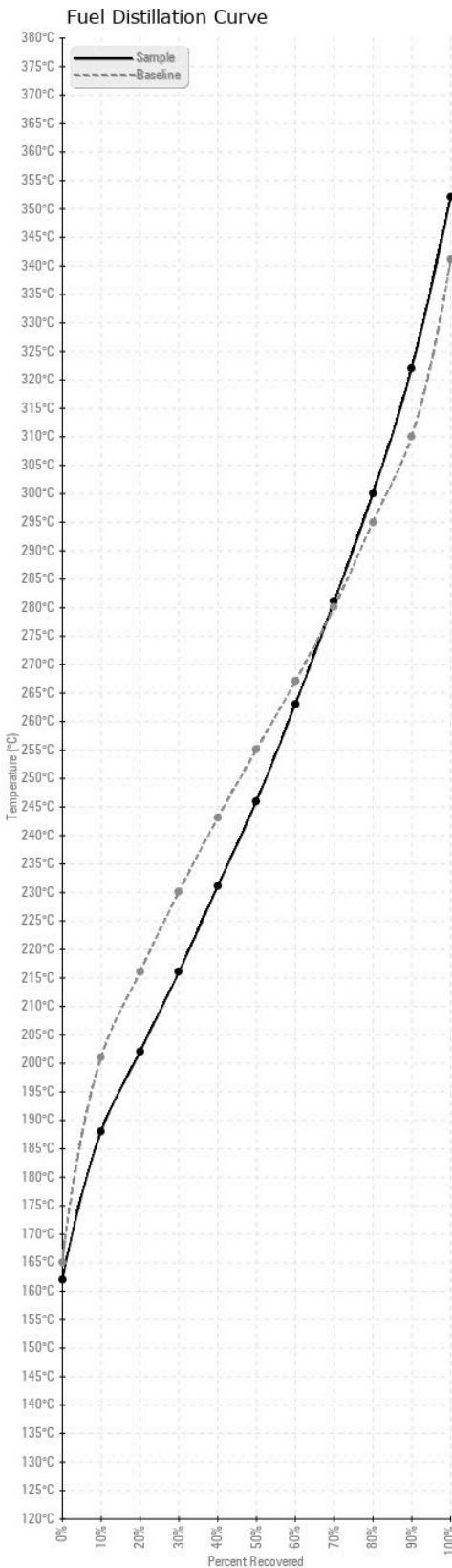
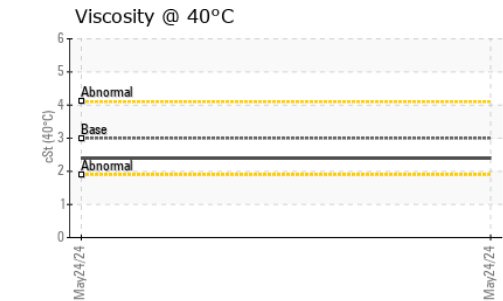
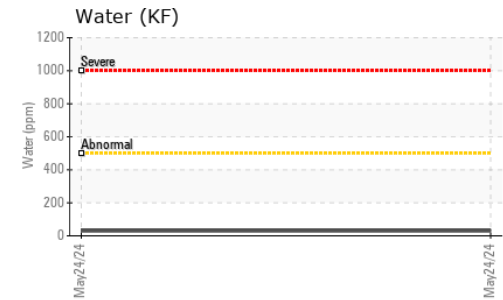
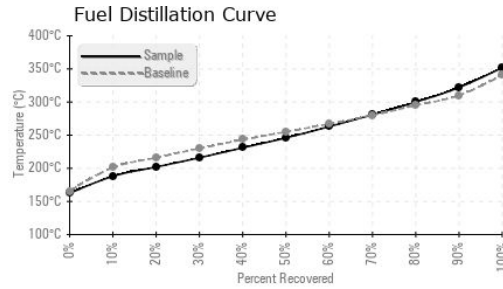
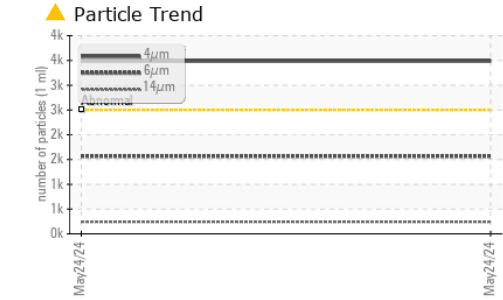
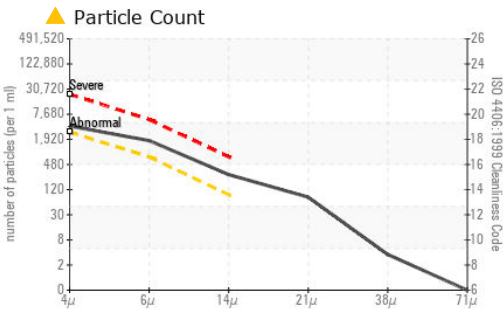
There is a moderate amount of particulates (2 to 100 microns in size) present in the fuel. The water content is negligible.

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	0.003	---	---
ppm Water	ppm	ASTM D6304*	<500	30	---	---
Particles >4µm		ASTM D7647	>2500	3487	---	---
Particles >6µm		ASTM D7647	>640	1567	---	---
Particles >14µm		ASTM D7647	>80	242	---	---
Particles >21µm		ASTM D7647	>20	70	---	---
Particles >38µm		ASTM D7647	>4	3	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/18/15	---	---
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	---	---

FUEL CONDITION

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

Specific Gravity		ASTM D1298*	0.839	0.852	---	---
Fuel Color	text	Visual Screen*	Yellow	Yellow	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.4	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55.3	---	---
Sulfur	ppm	ASTM D5185(m)	10	12	---	---
Initial Boiling Point	°C	ASTM D2887*	165	162	---	---
10% Distill Point	°C	ASTM D2887*	201	188	---	---
20% Distill Point	°C	ASTM D2887*	216	202	---	---
30% Distill Point	°C	ASTM D2887*	230	216	---	---
40% Distill Point	°C	ASTM D2887*	243	231	---	---
50% Distill Point	°C	ASTM D2887*	255	246	---	---
60% Distill Point	°C	ASTM D2887*	267	263	---	---
70% Distill Point	°C	ASTM D2887*	280	281	---	---
80% Distill Point	°C	ASTM D2887*	295	300	---	---
90% Distill Point	°C	ASTM D2887*	310	322	---	---
Final Boiling Point	°C	ASTM D2887*	341	352	---	---
API Gravity		ASTM D1298*	37.7	34	---	---
Cetane Index		ASTM D4737*	<40.0	41	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP453742
Lab Number : **02638312**
Unique Number : 5787474
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)
Received : 28 May 2024
Tested : 31 May 2024
Diagnosed : 31 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.