



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ATTENTION
FUEL CONDITION	NORMAL

Machine Id

74288

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 filter this fluid before use. We recommend you service the filters on this component. Resample at the next service interval to monitor.

CORROSION

{not applicable}

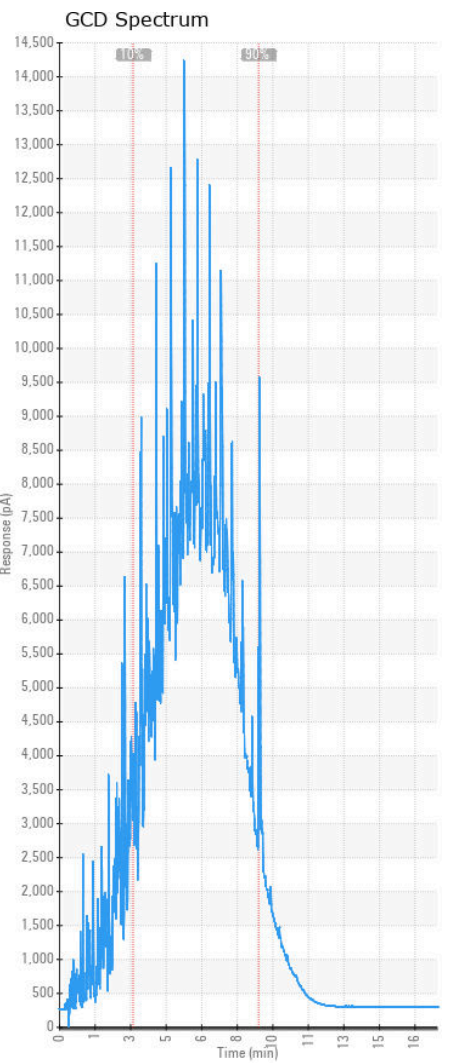
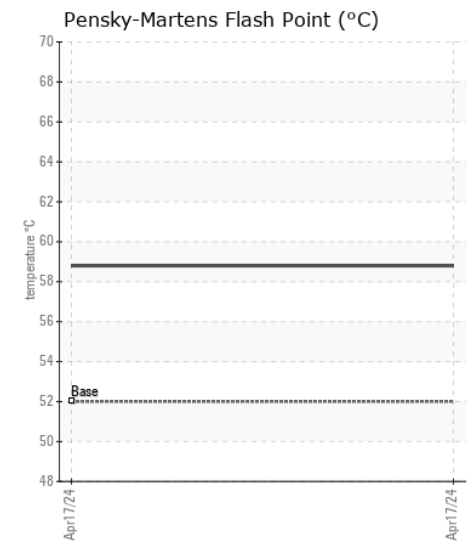
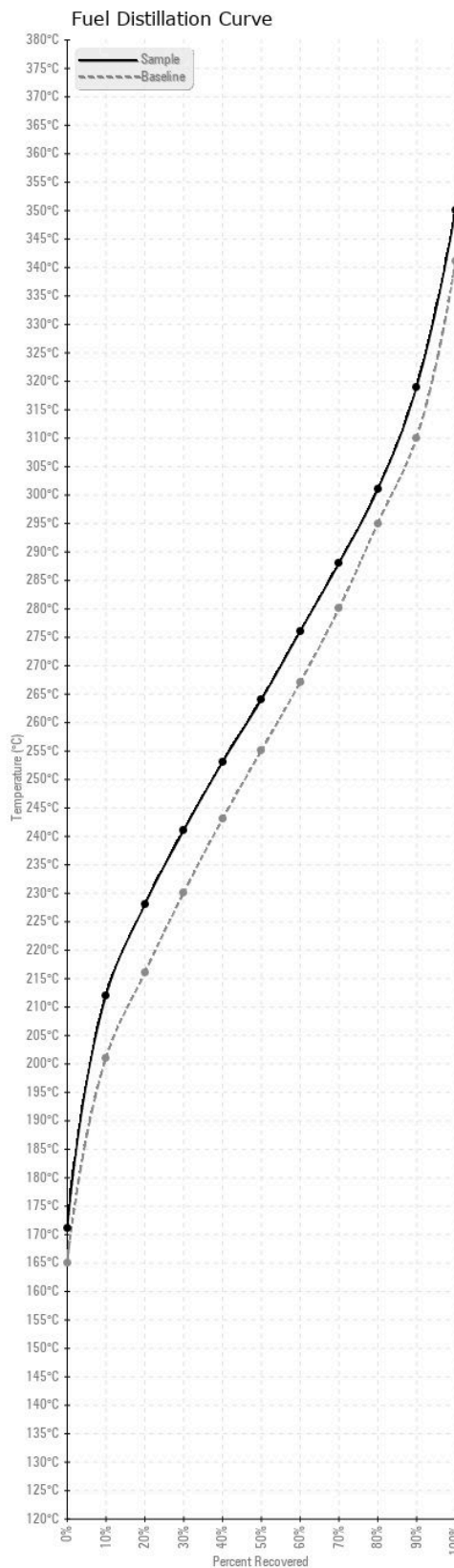
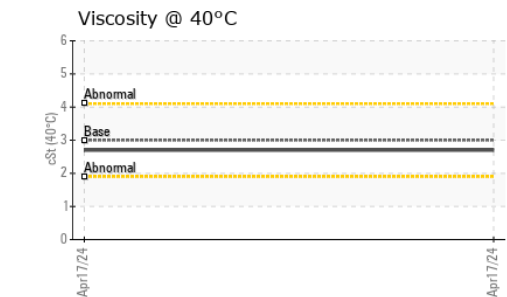
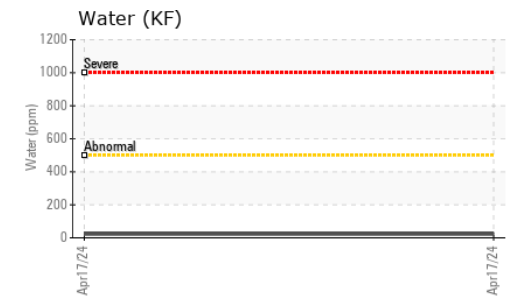
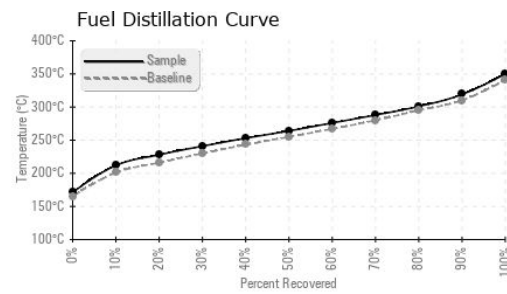
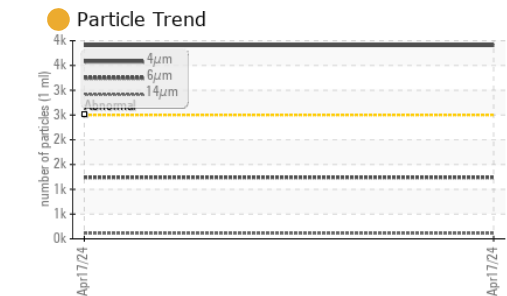
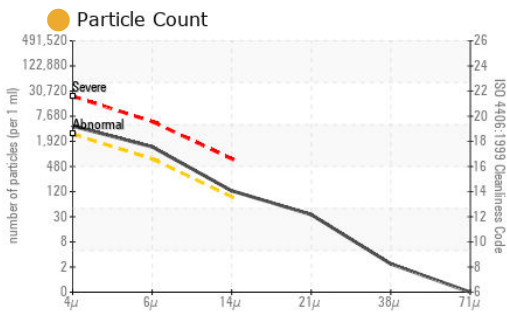
CONTAMINANTS

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

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).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0929415	---	---
Sample Date		Client Info		17 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ATTENTION	---	---
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	---	---
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	0.002	---	---
ppm Water	ppm	ASTM D6304*	<500	23	---	---
Particles >4µm		ASTM D7647	>2500	3906	---	---
Particles >6µm		ASTM D7647	>640	1241	---	---
Particles >14µm		ASTM D7647	>80	111	---	---
Particles >21µm		ASTM D7647	>20	30	---	---
Particles >38µm		ASTM D7647	>4	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/14	---	---
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	---	---
Specific Gravity		ASTM D1298*	0.839	0.848	---	---
Fuel Color	text	Visual Screen*	Yellow	Orang	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.7	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	58.8	---	---
Sulfur	ppm	ASTM D5185(m)	10	8	---	---
Initial Boiling Point	°C	ASTM D2887*	165	171	---	---
10% Distill Point	°C	ASTM D2887*	201	212	---	---
20% Distill Point	°C	ASTM D2887*	216	228	---	---
30% Distill Point	°C	ASTM D2887*	230	241	---	---
40% Distill Point	°C	ASTM D2887*	243	253	---	---
50% Distill Point	°C	ASTM D2887*	255	264	---	---
60% Distill Point	°C	ASTM D2887*	267	276	---	---
70% Distill Point	°C	ASTM D2887*	280	288	---	---
80% Distill Point	°C	ASTM D2887*	295	301	---	---
90% Distill Point	°C	ASTM D2887*	310	319	---	---
Final Boiling Point	°C	ASTM D2887*	341	350	---	---
API Gravity		ASTM D1298*	37.7	35	---	---
Cetane Index		ASTM D4737*	<40.0	46	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0929415
Lab Number : 02630022
Unique Number : 5763154
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

Received : 18 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Kevin Marson

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.

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