

FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id
MIDCRANE
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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC	---	---
Sample Date	Client Info			06 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				NORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.843	---	---
Fuel Color	text	Visual Screen*	Yllow	Yllow	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.9	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	63.5	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	8	---	---

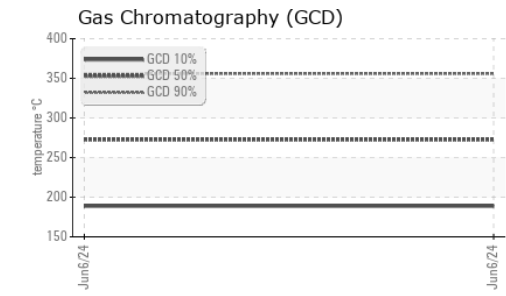
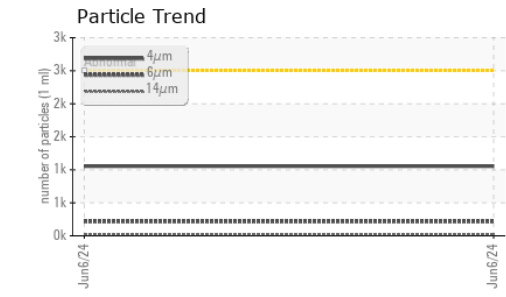
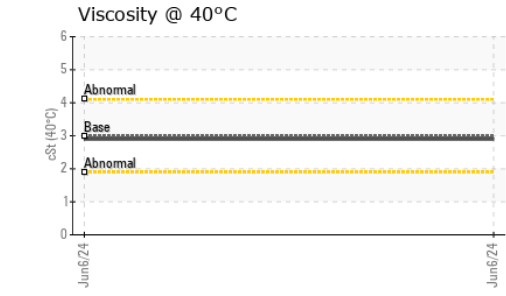
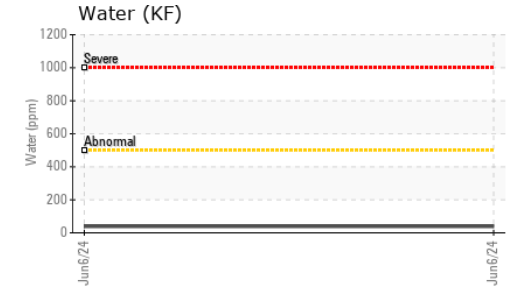
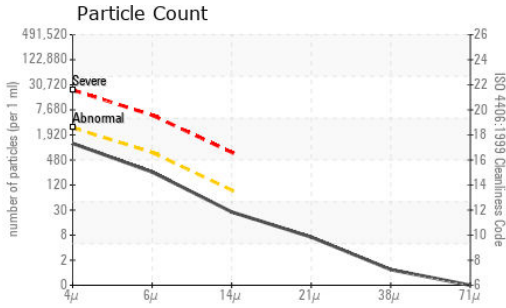
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	175	---	---
5% Distillation Point	°C	ASTM D2887*		200	---	---
10% Distill Point	°C	ASTM D2887*	201	212	---	---
15% Distillation Point	°C	ASTM D2887*		221	---	---
20% Distill Point	°C	ASTM D2887*	216	229	---	---
30% Distill Point	°C	ASTM D2887*	230	244	---	---
40% Distill Point	°C	ASTM D2887*	243	257	---	---
50% Distill Point	°C	ASTM D2887*	255	269	---	---
60% Distill Point	°C	ASTM D2887*	267	283	---	---
70% Distill Point	°C	ASTM D2887*	280	297	---	---
80% Distill Point	°C	ASTM D2887*	295	313	---	---
85% Distillation Point	°C	ASTM D2887*		324	---	---
90% Distill Point	°C	ASTM D2887*	310	336	---	---
95% Distillation Point	°C	ASTM D2887*		355	---	---
Final Boiling Point	°C	ASTM D2887*	341	386	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	36	---	---
Cetane Index		ASTM D4737*	<40.0	49	---	---

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	0.003	---	---
ppm Water	ppm	ASTM D6304*	<500	39	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	1053	---	---
Particles >6µm		ASTM D7647	>640	217	---	---
Particles >14µm		ASTM D7647	>80	24	---	---
Particles >21µm		ASTM D7647	>20	6	---	---
Particles >38µm		ASTM D7647	>4	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	17/15/12	---	---

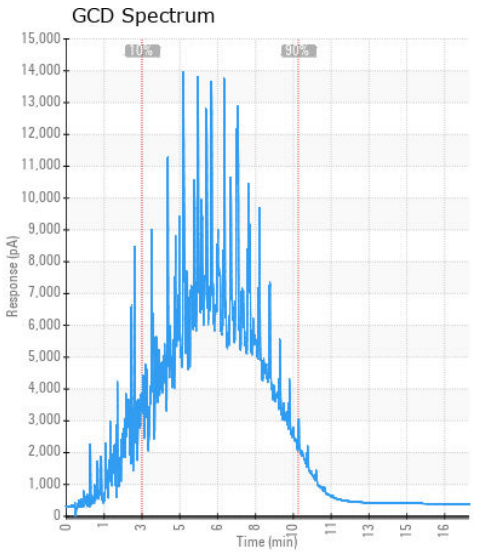
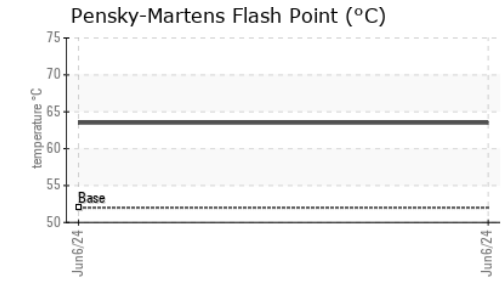
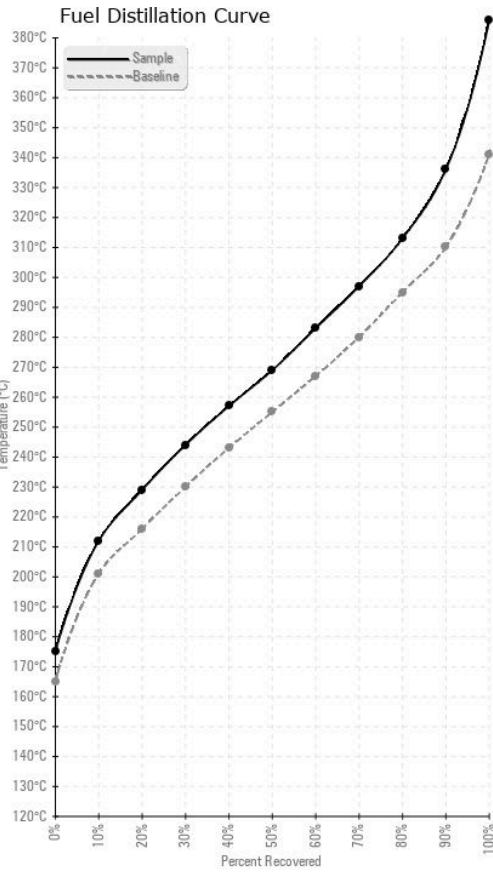
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HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---	---
Calcium	ppm	ASTM D5185(m)	<0.1	0	---	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---	---
Zinc	ppm	ASTM D5185(m)	<0.1	0	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02644268
Unique Number : 5801807
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)
Received : 26 Jun 2024
Tested : 02 Jul 2024
Diagnosed : 02 Jul 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.