FUEL KIT

WEAR CHECK

FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
[ORD0113699]
Machine Id
DAY TANK #5
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. Resample at the next service interval to monitor.

CORROSION

{not applicable}

CONTAMINANTS

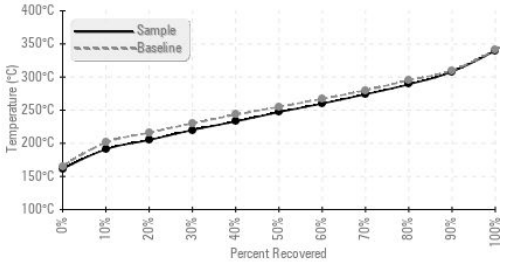
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

FUEL CONDITION

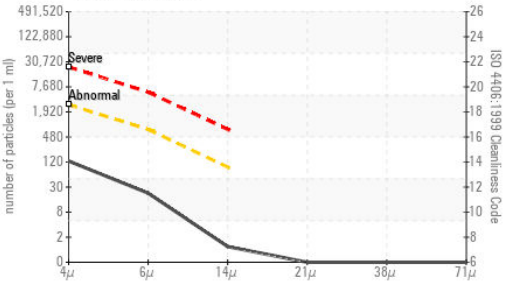
All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0942487	---	---
Sample Date		Client Info		03 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				NORMAL	---	---
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	22	---	---
Particles >4µm		ASTM D7647	>2500	112	---	---
Particles >6µm		ASTM D7647	>640	19	---	---
Particles >14µm		ASTM D7647	>80	1	---	---
Particles >21µm		ASTM D7647	>20	0	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	14/11/7	---	---
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	0.826	---	---
Fuel Color	text	Visual Screen*	Yllow	Pink	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.1	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	52.8	---	---
Sulfur	ppm	ASTM D5185(m)	10	10	---	---
Initial Boiling Point	°C	ASTM D2887*	165	161	---	---
10% Distill Point	°C	ASTM D2887*	201	191	---	---
20% Distill Point	°C	ASTM D2887*	216	205	---	---
30% Distill Point	°C	ASTM D2887*	230	220	---	---
40% Distill Point	°C	ASTM D2887*	243	233	---	---
50% Distill Point	°C	ASTM D2887*	255	247	---	---
60% Distill Point	°C	ASTM D2887*	267	260	---	---
70% Distill Point	°C	ASTM D2887*	280	274	---	---
80% Distill Point	°C	ASTM D2887*	295	289	---	---
90% Distill Point	°C	ASTM D2887*	310	308	---	---
Final Boiling Point	°C	ASTM D2887*	341	340	---	---
API Gravity		ASTM D1298*	37.7	39	---	---
Cetane Index		ASTM D4737*	<40.0	50	---	---

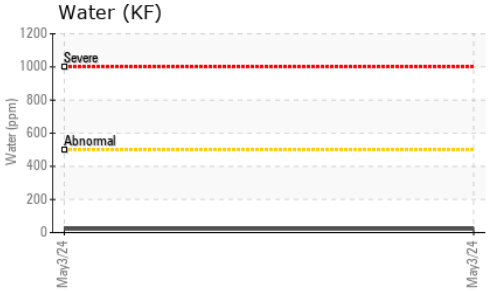
Fuel Distillation Curve



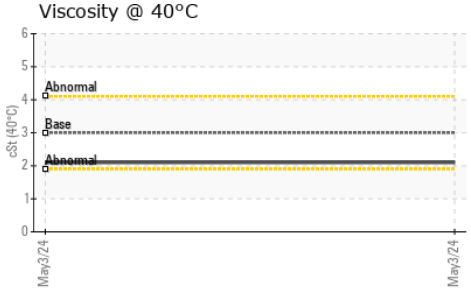
Particle Count



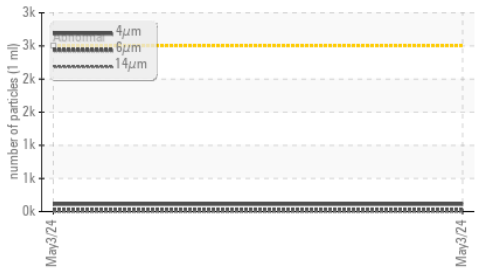
Water (KF)



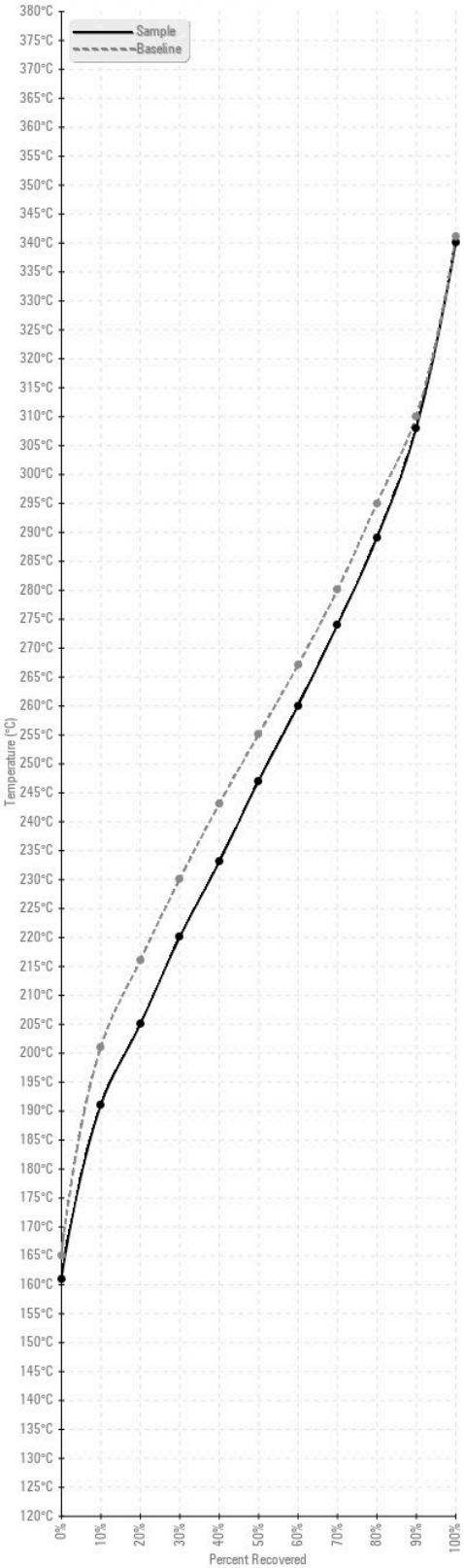
Viscosity @ 40°C



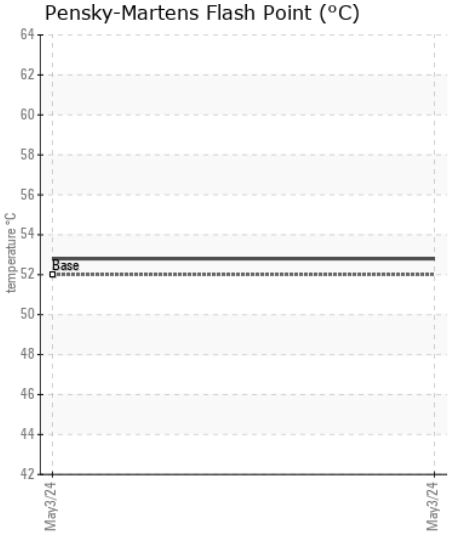
Particle Trend



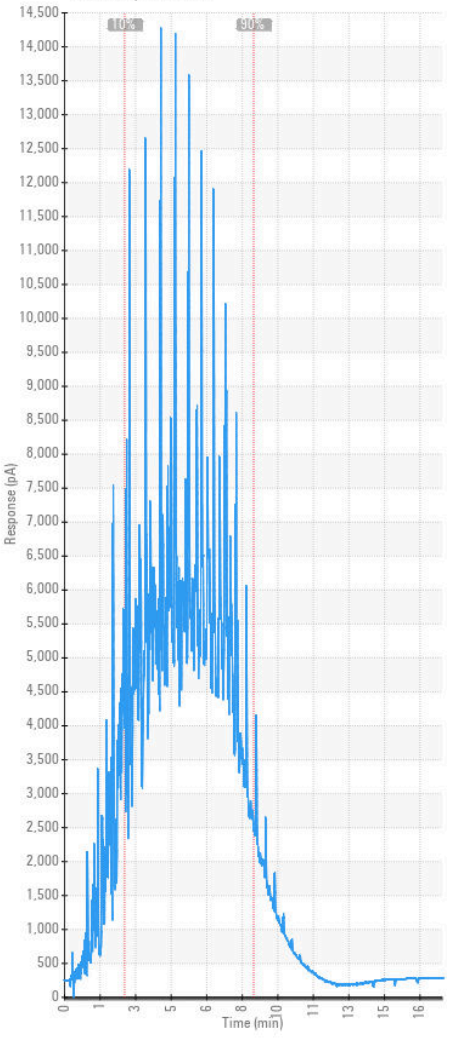
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0942487 **Received** : 16 May 2024
Lab Number : 02636230 **Tested** : 21 May 2024
Unique Number : 5785392 **Diagnosed** : 21 May 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.

HONEYWELL
1929 OGILVIE RD
GLOUCESTER, ON
CA K1J 0B9
Contact: Alain Guindon
joseph.guindon@cse-cst.gc.ca
T: (613)991-2659
F: