



# FUEL REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
FUEL CONDITION	<b>NORMAL</b>

Area

[PMOAS3372453]

Machine Id

**SAFETY CENTER (S/N B060889231)**

Component

**Diesel Fuel**

Fluid

**No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)**

## RECOMMENDATION

All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0034671</b>	DC0029055	DC0019537
Sample Date		Client Info		<b>16 Apr 2024</b>	05 Apr 2023	22 Apr 2022
Machine Age	hrs	Client Info		<b>537</b>	509	478
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

All metal levels are normal indicating no corrosion in the system.

Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Iron	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

## CONTAMINANTS

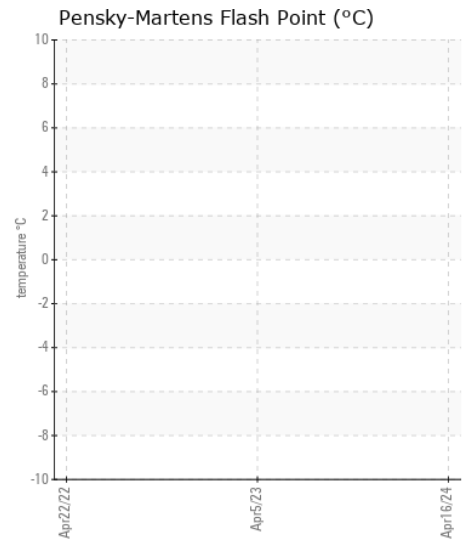
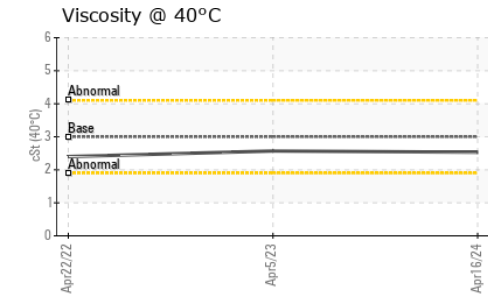
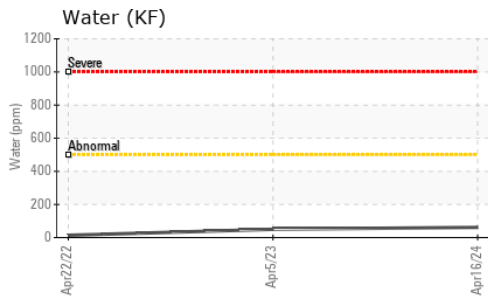
There is no Bacteria, Yeast and/or Fungus indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.006</b>	0.005	0.001
ppm Water	ppm	ASTM D6304	<500	<b>62</b>	50.0	14.0
Particles >4µm		ASTM D7647	>2500	<b>---</b>	8812	3601
Particles >6µm		ASTM D7647	>640	<b>---</b>	2928	1107
Particles >14µm		ASTM D7647	>80	<b>---</b>	241	108
Particles >21µm		ASTM D7647	>20	<b>---</b>	64	19
Particles >38µm		ASTM D7647	>4	<b>---</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	20/19/15	19/17/14
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	0.0
Calcium	ppm	ASTM D5185m	<0.1	<b>3</b>	2	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0

## FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color	scalar	*ASTM D1500		<b>L5.5</b>	L5.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.53</b>	2.57	2.4
Sulfur	ppm	ASTM D5185m	250	<b>374</b>	710	486
Sulfur (UVF)	ppm	ASTM D5453		<b>391</b>	563	546
API Gravity		ASTM D7777	37.7	<b>35.6</b>	35.3	35.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0034671  
**Lab Number** : 06159974  
**Unique Number** : 10995397  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**KELLY GENERATOR & EQUIPMENT INC**  
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)