



# FUEL REPORT

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

Area

**[68955]**

Machine Id

**95010601518 (S/N 0655518)**

Component

**Diesel Fuel**

Fluid

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

## RECOMMENDATION

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

## CORROSION

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

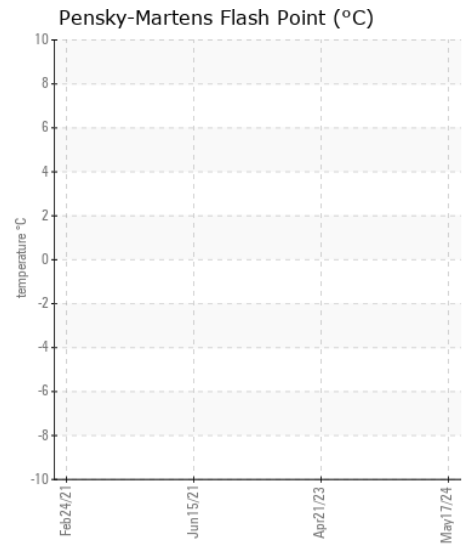
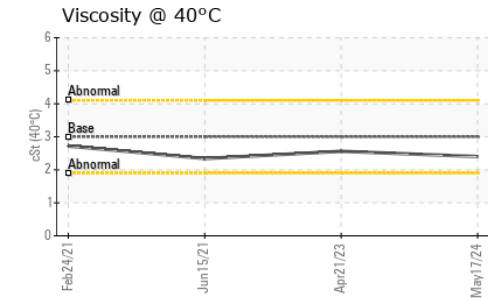
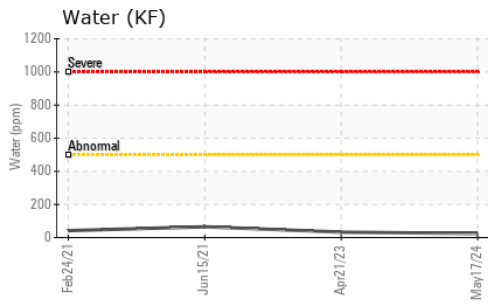
## CONTAMINANTS

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

## FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0036978</b>	DC0029059	DC0012442
Sample Date		Client Info		<b>17 May 2024</b>	21 Apr 2023	15 Jun 2021
Machine Age	hrs	Client Info		<b>640</b>	617	40
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	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
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	0	0
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.002</b>	0.003	0.006
ppm Water	ppm	ASTM D6304	<500	<b>24</b>	32.8	65.4
Particles >4µm		ASTM D7647	>2500	<b>---</b>	6169	---
Particles >6µm		ASTM D7647	>640	<b>---</b>	2036	---
Particles >14µm		ASTM D7647	>80	<b>---</b>	231	---
Particles >21µm		ASTM D7647	>20	<b>---</b>	82	---
Particles >38µm		ASTM D7647	>4	<b>---</b>	2	---
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	20/18/15	---
% 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>0</b>	0	0
Magnesium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	<b>3</b>	0	<1
Zinc	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
ASTM Color	scalar	*ASTM D1500		<b>L4.0</b>	L4.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.4</b>	2.56	2.34
Sulfur	ppm	ASTM D5185m	10	<b>0</b>	0	14
Sulfur (UVF)	ppm	ASTM D5453		<b>8</b>	10	20
API Gravity		ASTM D7777	37.7	<b>36.8</b>	37.0	38.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0036978  
**Lab Number** : 06188181  
**Unique Number** : 11044933  
**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)