



# FUEL REPORT

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

Area

[PMOAS3372437]

Machine Id

LANDFALL 2 (S/N I120384917)

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-SULPHUR) (--- QTS)

## 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>DC0034668</b>	DC0025184	DC0019547
Sample Date		Client Info		<b>12 Apr 2024</b>	06 Apr 2023	20 Apr 2022
Machine Age	hrs	Client Info		<b>0</b>	564	506
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>	<1	0

## CONTAMINANTS

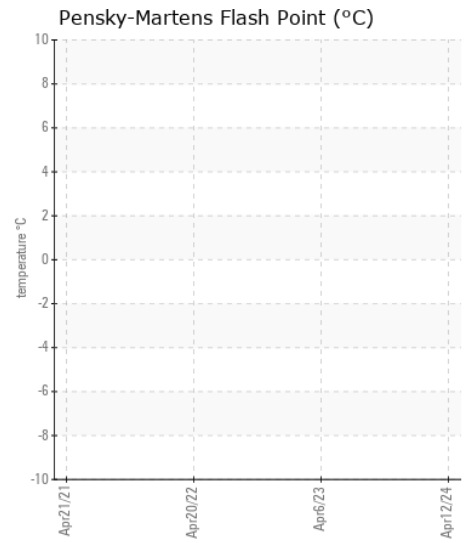
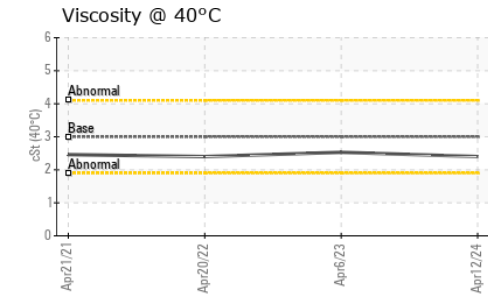
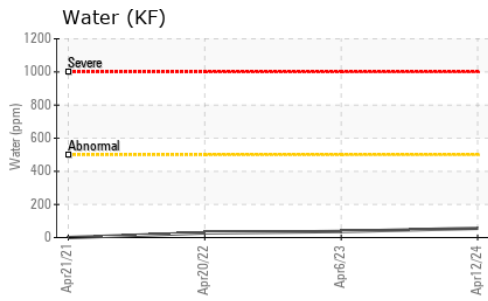
There is no Bacteria, Yeast and/or Fungus indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel.

Silicon	ppm	ASTM D5185m	<1.0	<b>0</b>	<1	<1
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	<0.1	<b>0</b>	<1	0
Water	%	ASTM D6304	<0.05	<b>0.005</b>	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	<b>56</b>	36.9	28.3
Particles >4µm		ASTM D7647	>2500	<b>---</b>	3401	4517
Particles >6µm		ASTM D7647	>640	<b>---</b>	1027	1137
Particles >14µm		ASTM D7647	>80	<b>---</b>	95	73
Particles >21µm		ASTM D7647	>20	<b>---</b>	22	17
Particles >38µm		ASTM D7647	>4	<b>---</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>---</b>	19/17/14	19/17/13
% 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>0</b>	6	2
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>L4.5</b>	L4.5	L3.5
Visc @ 40°C	cSt	ASTM D445	3.0	<b>2.4</b>	2.53	2.4
Sulfur	ppm	ASTM D5185m	250	<b>0</b>	0	38
Sulfur (UVF)	ppm	ASTM D5453		<b>25</b>	32	42
API Gravity		ASTM D7777	37.7	<b>36.9</b>	36.8	36.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0034668  
**Lab Number** : 06159977  
**Unique Number** : 10995400  
**Test Package** : DF-5 ( Additional Tests: API, Cetane, Fuel, PrtCount, Screen )

**KELLY GENERATOR & EQUIPMENT INC**  
 1955 DALE LN  
 OWINGS, MD  
 US 20736  
 Contact: LESLIE SNURR  
 LSNURR@KGE.COM  
 T: (410)257-5225  
 F: (410)257-5227

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)