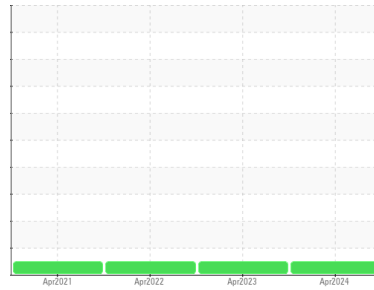




FUEL REPORT

Sample Rating Trend



NORMAL



Area
[PMOAS3372437]
 Machine Id
LANDFALL 2 (S/N I120384917)
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (--- QTS)

DIAGNOSIS

Recommendation

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

Corrosion

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

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.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			DC0034668	DC0025184	DC0019547
Sample Date	Client Info			12 Apr 2024	06 Apr 2023	20 Apr 2022
Machine Age	hrs	Client Info		0	564	506
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	L4.5	L3.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.4	2.53	2.4

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	250	0	0	38
Sulfur (UVF)	ppm	ASTM D5453		25	32	42

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36.9	36.8	36.9

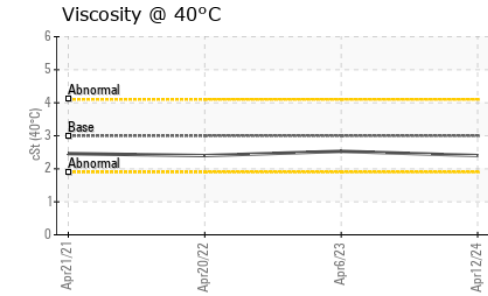
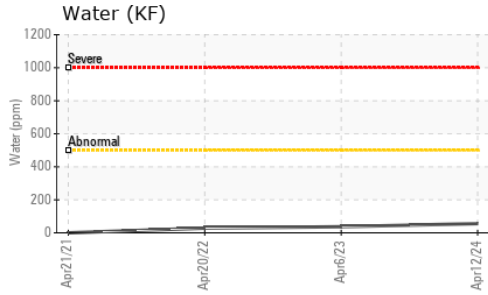
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	<1	<1
Sodium	ppm	ASTM D5185m	<0.1	0	0	0
Potassium	ppm	ASTM D5185m	<0.1	0	<1	0
Water	%	ASTM D6304	<0.05	0.005	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	56	36.9	28.3
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	---	3401	4517
Particles >6µm		ASTM D7647	>640	---	1027	1137
Particles >14µm		ASTM D7647	>80	---	95	73
Particles >21µm		ASTM D7647	>20	---	22	17
Particles >38µm		ASTM D7647	>4	---	0	1
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	19/17/14	19/17/13

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	<1	0
Calcium	ppm	ASTM D5185m	<0.1	0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	6	2
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

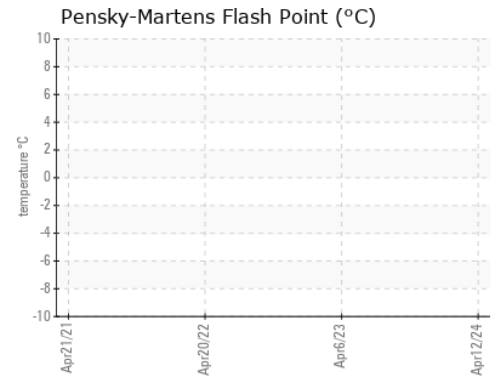


FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

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)

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)

Received : 24 Apr 2024

Tested : 06 May 2024

Diagnosed : 06 May 2024 - Doug Bogart

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