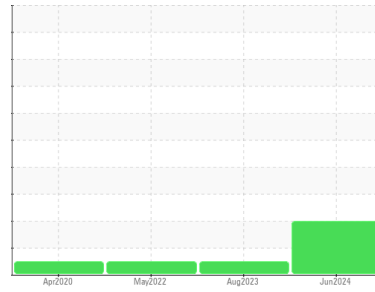




FUEL REPORT

Sample Rating Trend



ISO



Area

[PMOAS3263459]

Machine Id

20563160200 (S/N 9892417)

Component

Diesel Fuel

Fluid

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

DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. 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 a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	DC0037132	DC0029880	DC0014136
Sample Date	Client Info	06 Jun 2024	24 Aug 2023	04 May 2022
Machine Age	hrs	Client Info	541	506
Sample Status		ABNORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	L4.0	L4.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.33

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0
Sulfur (UVF)	ppm	ASTM D5453	10	10

IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.7	37.3	37.0

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1
Sodium	ppm	ASTM D5185m	<0.1	2
Potassium	ppm	ASTM D5185m	<0.1	2
Water	%	ASTM D6304	<0.05	0.003
ppm Water	ppm	ASTM D6304	<500	36
% Gasoline	%	*In-House	<0.50	0.0
% Biodiesel	%	*In-House	<20.0	0.0

FLUID CLEANLINESS

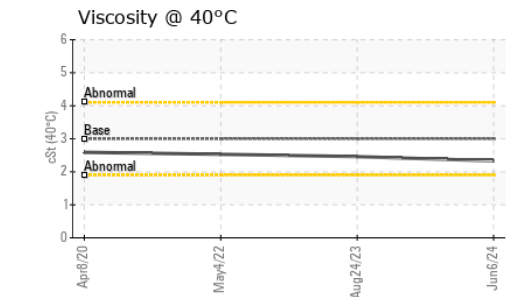
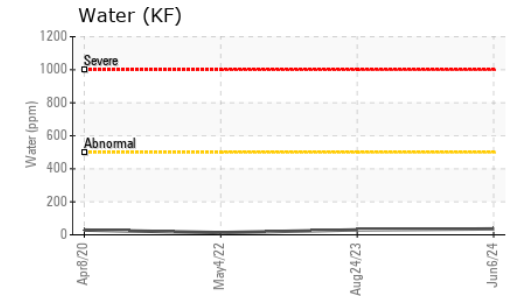
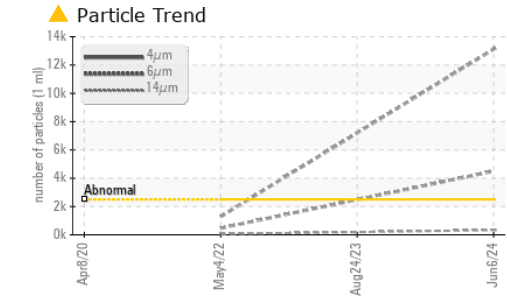
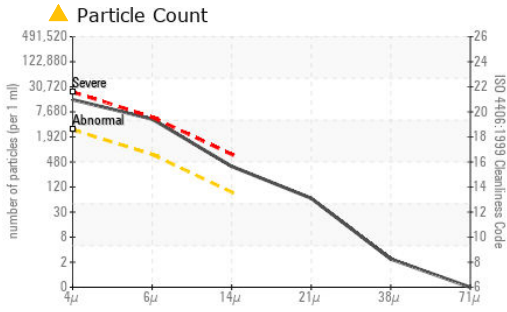
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 13119	---
Particles >6µm	ASTM D7647	>640	▲ 4497	---
Particles >14µm	ASTM D7647	>80	▲ 331	---
Particles >21µm	ASTM D7647	>20	▲ 57	---
Particles >38µm	ASTM D7647	>4	2	---
Particles >71µm	ASTM D7647	>3	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 21/19/16	---

HEAVY METALS

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

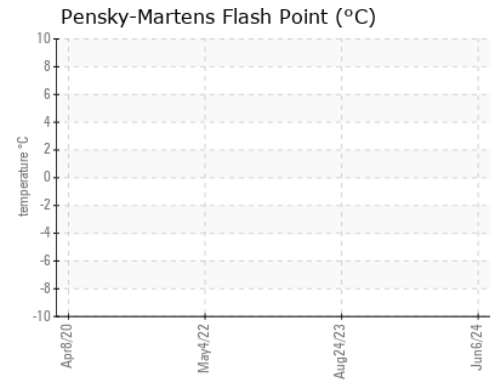


FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0037132
Lab Number : 06209104
Unique Number : 11076565
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)