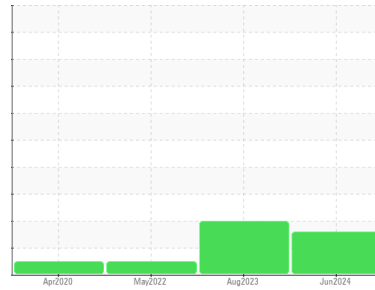




FUEL REPORT

Sample Rating Trend



WATER



Area

[PMOAS3263459]

Machine Id

GEN 3 13994550700 - GEN 3 (S/N 2114768)

Component

Diesel Fuel

Fluid

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

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component.

Corrosion

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

Contaminants

Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample. The amount and size of particulates present in the system are acceptable.

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	DC0036945	DC0029878	DC0014139
Sample Date	Client Info	06 Jun 2024	23 Aug 2023	03 May 2022
Machine Age	hrs	799	763	657
Sample Status		ABNORMAL	ABNORMAL	NORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
ASTM Color	scalar	*ASTM D1500	L4.0	L4.5	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.46	2.46

SULFUR CONTENT

method	limit/base	current	history1	history2		
Sulfur	ppm	ASTM D5185m	10	0	0	8
Sulfur (UVF)	ppm	ASTM D5453		8	8	11

IGNITION QUALITY

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

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	<1	0	<1
Sodium	ppm	ASTM D5185m	<0.1	2	<1	0
Potassium	ppm	ASTM D5185m	<0.1	2	0	0
Water	%	ASTM D6304	<0.05	0.003	0.004	0.002
ppm Water	ppm	ASTM D6304	<500	40	43.6	15.6
% 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	2106	---	5204
Particles >6µm		ASTM D7647	>640	415	---	1877
Particles >14µm		ASTM D7647	>80	16	---	254
Particles >21µm		ASTM D7647	>20	4	---	79
Particles >38µm		ASTM D7647	>4	0	---	3
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	18/16/11	---	20/18/15

MICROBIAL

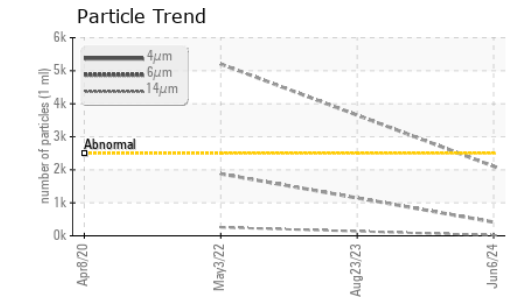
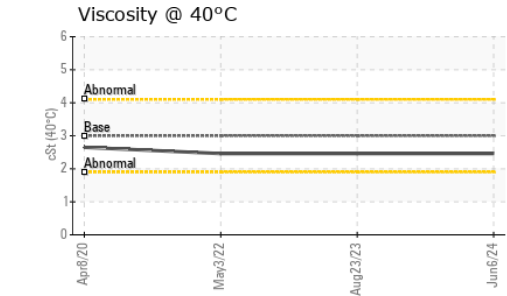
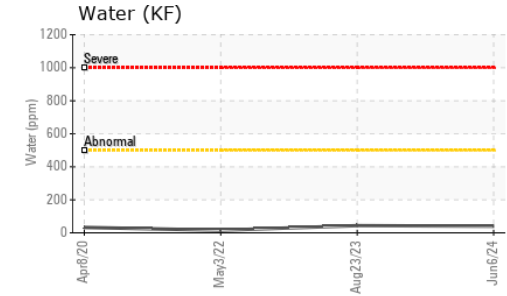
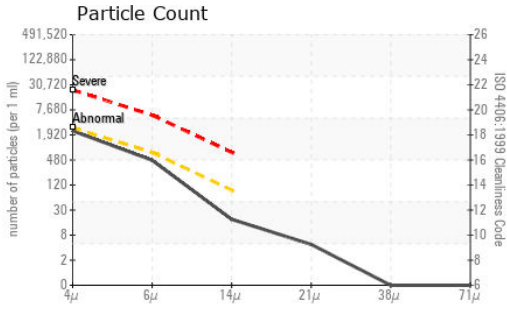
method	limit/base	current	history1	history2		
Bacteria	CFU/ml	WC-Method	>=100000	0	0	---
Yeast	CFU/ml	WC-Method	>=100000	0	0	---
Mold	Colonies	WC-Method	MODER	---	---	---

HEAVY METALS

method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185m	<0.1	0	0	0
Nickel	ppm	ASTM D5185m	<0.1	<1	0	<1
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	0	0
Calcium	ppm	ASTM D5185m	<0.1	0	0	<1
Magnesium	ppm	ASTM D5185m	<0.1	<1	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	<1
Zinc	ppm	ASTM D5185m	<0.1	<1	0	0

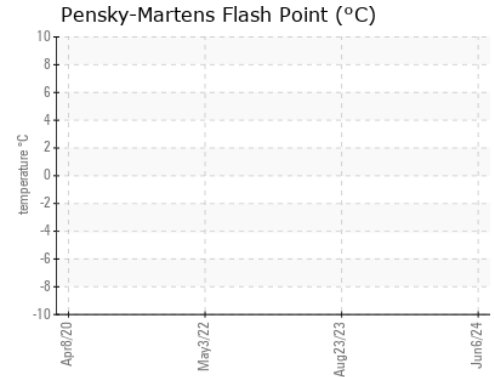


FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036945
Lab Number : 06209108
Unique Number : 11076569
Test Package : DF-5 (Additional Tests: API, Bacteria, Cetane, Fuel, PrtCount, Screen)

Received : 13 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Elizabeth Valachovic

KELLY GENERATOR & EQUIPMENT INC
 1955 DALE LN
 OWINGS, MD
 US 20736

Contact: LESLIE SNURR
 LSNURR@KGE.COM

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)

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