



FUEL REPORT

Sample Rating Trend



ISO



Machine Id
Kohler 840 First St 400kw

Component
Diesel Fuel
Fluid
NOT GIVEN (500 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All other laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur. (Customer Sample Comment: 840 First St Fuel sample)

Corrosion

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

Contaminants

There is a moderate amount of silt (particulates < 6 microns in size) present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	DC0023864	---	---
Sample Date	Client Info	25 Nov 2022	---	---
Machine Age	mths Client Info	0	---	---
Sample Status		ATTENTION	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	L4.5	---	---
Visc @ 40°C	cSt ASTM D445	2.4	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	25	---	---
Sulfur (UVF)	ppm ASTM D5453	192	---	---

IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	36.5	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	0	---	---
Sodium	ppm ASTM D5185m <0.1	0	---	---
Potassium	ppm ASTM D5185m <0.1	0	---	---
Water	% ASTM D6304 <0.05	0.003	---	---
ppm Water	ppm ASTM D6304 <500	34.4	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---

FLUID CLEANLINESS

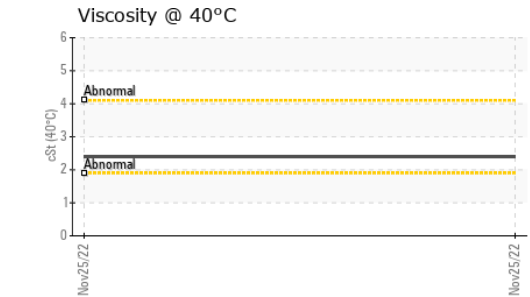
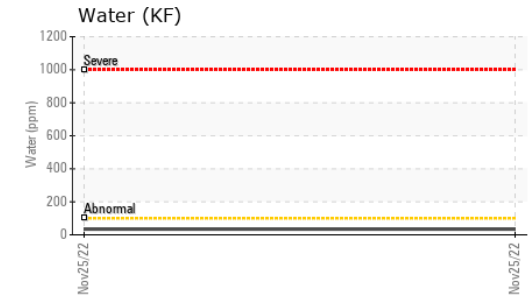
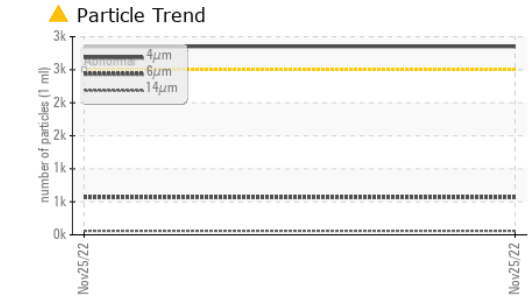
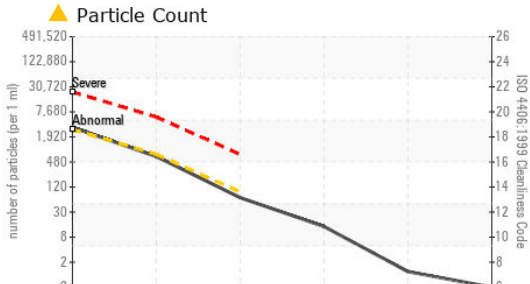
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >2500	▲ 2852	---	---
Particles >6µm	ASTM D7647 >640	567	---	---
Particles >14µm	ASTM D7647 >80	59	---	---
Particles >21µm	ASTM D7647 >20	12	---	---
Particles >38µm	ASTM D7647 >4	1	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >18/16/13	▲ 19/16/13	---	---



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	0	---	---
Magnesium	ppm ASTM D5185m <0.1	0	---	---
Phosphorus	ppm ASTM D5185m <0.1	0	---	---
Zinc	ppm ASTM D5185m <0.1	0	---	---

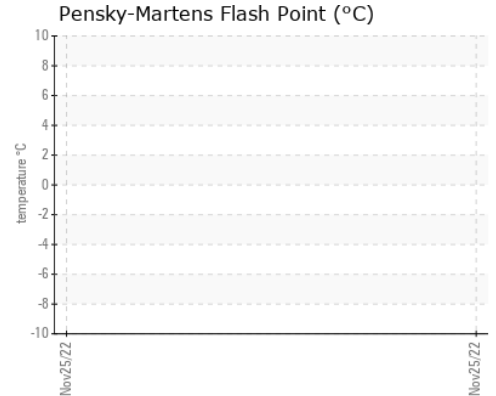


FUEL REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0023864 **Received** : 09 Dec 2022
Lab Number : **05713853** **Diagnosed** : 21 Dec 2022
Unique Number : 10253429 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

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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