



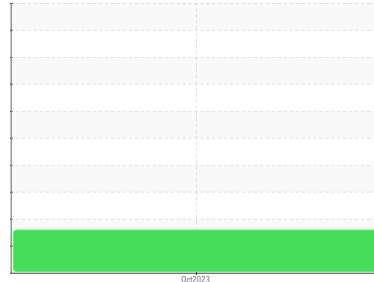
FUEL REPORT

Sample Rating Trend

WATER



Area
[3096783]
 Machine Id
200RE0ZV 0795290
 Component
Diesel Fuel
 Fluid
NOT GIVEN (--- GAL)



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) indicated in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	DC0031453	---	---
Sample Date	Client Info	25 Oct 2023	---	---
Machine Age	hrs Client Info	936	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	L3.0	---	---
Visc @ 40°C	cSt ASTM D445	2.37	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	17	---	---
Sulfur (UVF)	ppm ASTM D5453	20	---	---

IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	37.2	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	0	---	---
Sodium	ppm ASTM D5185m <0.1	<1	---	---
Potassium	ppm ASTM D5185m <0.1	0	---	---
Water	% ASTM D6304 <0.05	0.003	---	---
ppm Water	ppm ASTM D6304 <500	35.5	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---

MICROBIAL

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

HEAVY METALS

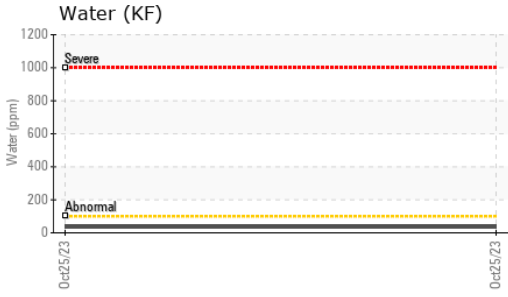
method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m <0.1	0	---	---
Nickel	ppm ASTM D5185m <0.1	0	---	---
Lead	ppm ASTM D5185m <0.1	0	---	---
Vanadium	ppm ASTM D5185m <0.1	0	---	---
Iron	ppm ASTM D5185m <0.1	0	---	---
Calcium	ppm ASTM D5185m <0.1	0	---	---
Magnesium	ppm ASTM D5185m <0.1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

SAMPLE IMAGES

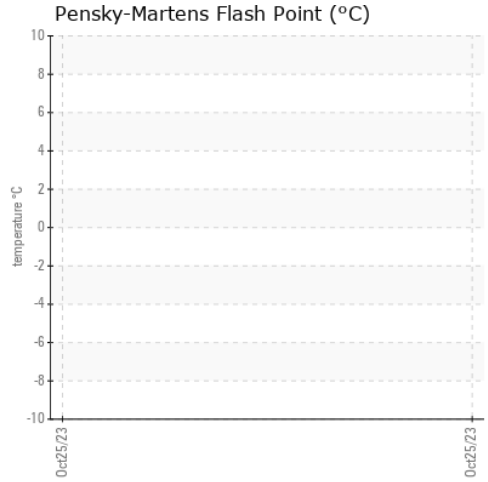
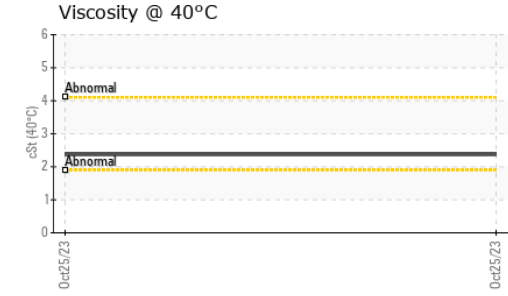
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0031453 **Received** : 06 Nov 2023
Lab Number : 05999496 **Diagnosed** : 15 Nov 2023
Unique Number : 10727856 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: API, Bacteria, Cetane, Fuel, Screen)

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 OWINGS, MD
 US 20736
 Contact: LESLIE SNURR
 LSNURR@KGE.COM
 T: (410)257-5225
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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)