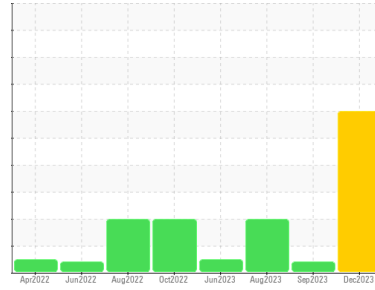




PROBLEM SUMMARY

Sample Rating Trend



WATER



Machine Id
CR-4401
 Component
Diesel Fuel
 Fluid
 {not provided} (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

This is a baseline read-out on the submitted sample. We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted.

PROBLEMATIC TEST RESULTS

Sample Status

SEVERE

ABNORMAL

ABNORMAL

Customer Id: BUCWILTX
 Sample No.: WC0867447
 Lab Number: 06060482
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

30 Sep 2023 Diag: Jonathan Hester

VIS DEBRIS



This is a baseline read-out on the submitted sample. We recommend you service the filters on this component. All metal levels are normal indicating no corrosion in the system. Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. The condition of the fuel is acceptable for the time in service.

[view report](#)



01 Aug 2023 Diag: Jonathan Hester

WATER



We advise that you follow the water drain-off procedure for this component. We recommend you service and check the fuel filters for mucous-like deposits. Check with fuel supplier for biocides available to destroy the microorganisms in the fuel system. All metal levels are normal indicating no corrosion in the system. Moderate concentration of visible dirt/debris present in the fuel. Free water present. Appearance indicates possible bacteria or fungus (yeast and/or mold) present in the sample. {not applicable}

[view report](#)



15 Jun 2023 Diag: Jonathan Hester

NORMAL



This is a baseline read-out on the submitted sample. All metal levels are normal indicating no corrosion in the system. The water content is negligible. There is no indication of any contamination in the fuel. The condition of the fuel is acceptable for the time in service.

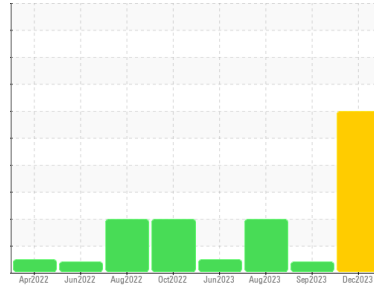
[view report](#)





FUEL REPORT

Sample Rating Trend



WATER



Machine Id
CR-4401
 Component
Diesel Fuel
 Fluid
 {not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted.

Corrosion

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

Contaminants

Excessive free water present. Moderate concentration of visible dirt/debris present in the fuel. There is a moderate amount of visible silt present in the sample.

Fuel Condition

The condition of the fuel is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0867447	WC0833276	WC0833406
Sample Date	Client Info			04 Dec 2023	30 Sep 2023	01 Aug 2023
Machine Age	hrs	Client Info		1389	13624	1335
Sample Status				SEVERE	ABNORMAL	ABNORMAL

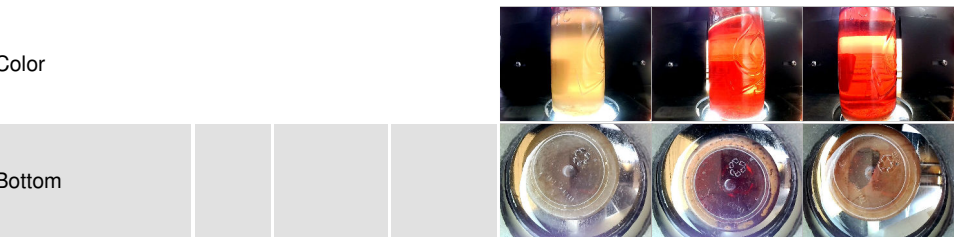
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		2.66	2.74	2.85

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		39	4	0

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1	0	0
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.009	0.004	0.007
ppm Water	ppm	ASTM D6304	<500	89	46.2	79.0

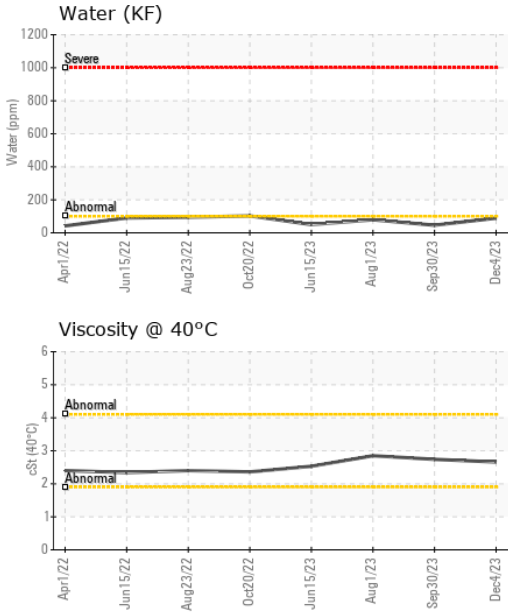
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	<1
Vanadium	ppm	ASTM D5185m	<0.1	<1	0	0
Iron	ppm	ASTM D5185m	<0.1	<1	0	<1
Calcium	ppm	ASTM D5185m	<0.1	<1	2	<1
Magnesium	ppm	ASTM D5185m	<0.1	0	0	<1
Phosphorus	ppm	ASTM D5185m	<0.1	4	0	<1
Zinc	ppm	ASTM D5185m	<0.1	<1	0	0

SAMPLE IMAGES		method	limit/base	current	history1	history2
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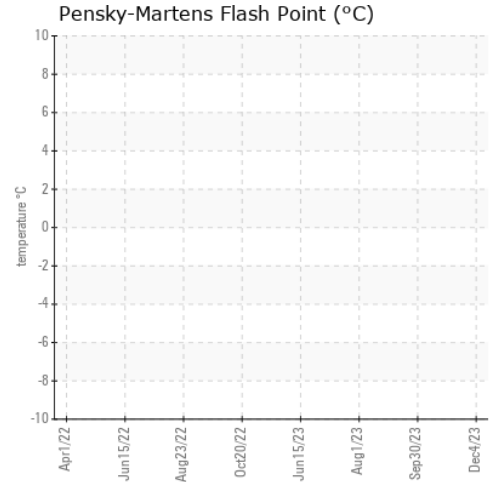




FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867447 **Recieved** : 12 Jan 2024
Lab Number : 06060482 **Diagnosed** : 18 Jan 2024
Unique Number : 10831864 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: Bacteria, KF)

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)

BUCKNER - WILLIS
 18123 HWY 75 NORTH
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 US 77378

Contact: JOHN HAWKINS
 johnh@bucknercompanies.com

T:
 F: