

PROBLEM SUMMARY

Sample Rating Trend



WATER



Machine Id
JOHN DEERE 624K 1DW624KZAJF687726
Component
Diesel Fuel
Fluid
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We advise that you check for the source of DEF entry. Recommend drain fuel if not already done and flush system before refilling with fuel. (Customer Sample Comment: Possible contamination)

PROBLEMATIC TEST RESULTS

Sample Status

SEVERE

Customer Id: JAMCHA
Sample No.: JR0198059
Lab Number: 06074289
Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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
Change Fluid	---	---	?	Recommend drain fuel if not already done and flush with cleaner before refilling with fuel.
Flush System	---	---	?	Recommend drain fuel if not already done and flush with cleaner before refilling with fuel.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

FUEL REPORT

Sample Rating Trend

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 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)

DIAGNOSIS
Recommendation

We advise that you check for the source of DEF entry. Recommend drain fuel if not already done and flush system before refilling with fuel. (Customer Sample Comment: Possible contamination)

Corrosion

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

Contaminants

Free water present. Microscopic appearance is consistent with DEF crystals.

Fuel Condition

The fuel is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0198059	---	---
Sample Date	Client Info		29 Jan 2024	---	---
Machine Age	hrs	Client Info	5611	---	---
Sample Status			SEVERE	---	---

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	2.42	---	---

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	0	---	---

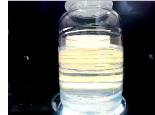

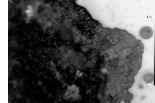
CONTAMINANTS

	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	26	---

HEAVY METALS

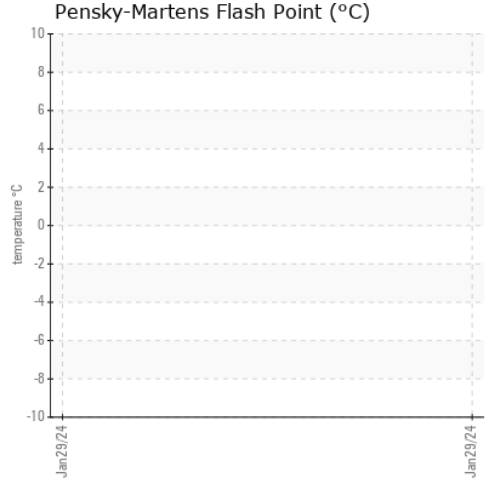
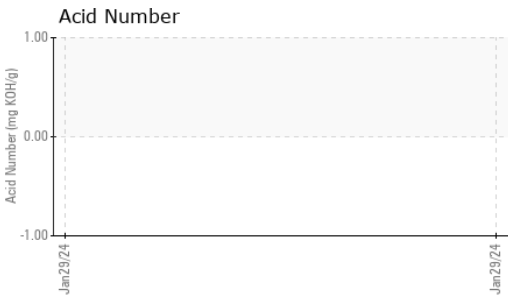
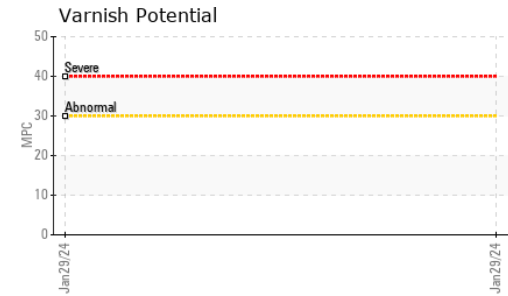
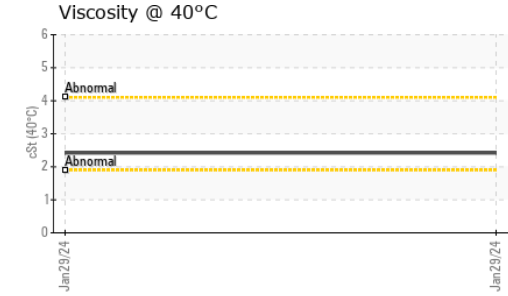
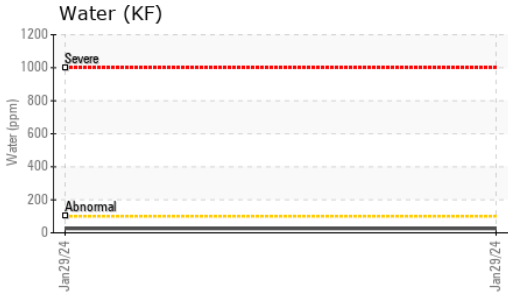
	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	---
Lead	ppm	ASTM D5185m	<0.1	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---
Iron	ppm	ASTM D5185m	<0.1	0	---
Calcium	ppm	ASTM D5185m	<0.1	1	---
Magnesium	ppm	ASTM D5185m	<0.1	<1	---
Phosphorus	ppm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

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					<i>no image</i>
Bottom					<i>no image</i>
MPC					<i>no image</i>

FUEL REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198059 **Received** : 30 Jan 2024
Lab Number : **06074289** **Diagnosed** : 30 Jan 2024
Unique Number : 10856380 **Diagnostician** : Doug Bogart
Test Package : CONST (Additional Tests: Bacteria, KF, MPC, PQ, SCREEN)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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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