

PROBLEM SUMMARY

Area
[W64070]
 Machine Id
JOHN DEERE 160P 000038
 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)

Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend drain/flush system.

PROBLEMATIC TEST RESULTS

Sample Status

SEVERE

Customer Id: JAMCHA
Sample No.: JR0178592
Lab Number: 06122851
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
Change Fluid	---	---	?	We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.
Flush System	---	---	?	We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.

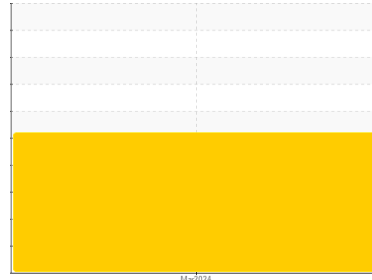
HISTORICAL DIAGNOSIS

FUEL REPORT

Sample Rating Trend

WATER


Area
[W64070]
 Machine Id
JOHN DEERE 160P 000038
 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

▲ Recommendation

We recommend drain/flush system.

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. Water appears to be from DEF.

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	JR0178592	---	---
Sample Date	Client Info	18 Mar 2024	---	---
Machine Age	hrs	Client Info	103	---
Sample Status			SEVERE	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	2.46	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	37	---



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	0.100	---
ppm Water	ppm	ASTM D6304	<500	1005	---

HEAVY METALS

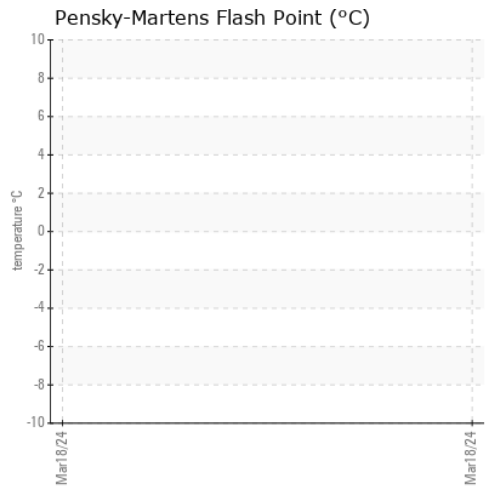
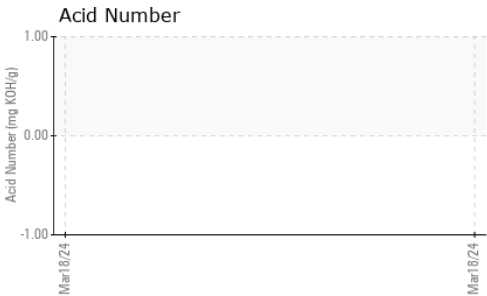
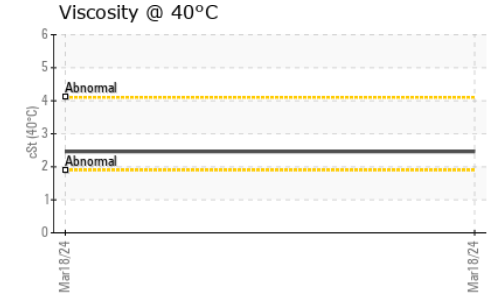
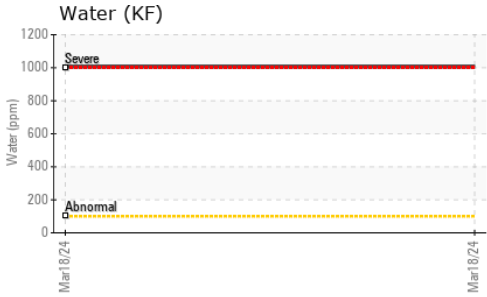
method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m	<0.1	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	---
Lead	ppm	ASTM D5185m	<0.1	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---
Iron	ppm	ASTM D5185m	<0.1	8	---
Calcium	ppm	ASTM D5185m	<0.1	0	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---
Phosphorus	ppm	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. : JR0178592 **Received** : 19 Mar 2024
Lab Number : 06122851 **Tested** : 26 Mar 2024
Unique Number : 10937002 **Diagnosed** : 26 Mar 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: Bacteria, KF, PQ, SCREEN)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: KEVIN PEARCE
 KPEARCE@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)

T: F: (704)596-6198