



PROBLEM SUMMARY

Sample Rating Trend

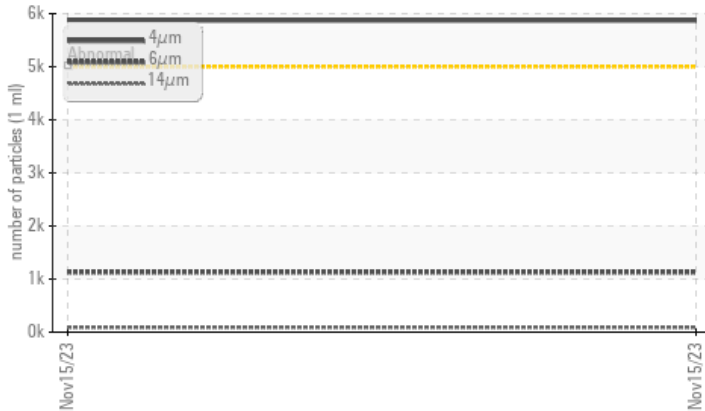
ISO



Machine Id
JOHN DEERE 843L 1DW843LBPKF699738
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Particles >4µm	ASTM D7647	>5000	▲ 5872	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/17/14	---	---

Customer Id: WARNOR
Sample No.: WE0005726
Lab Number: 06010686
Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

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

RECOMMENDED ACTIONS

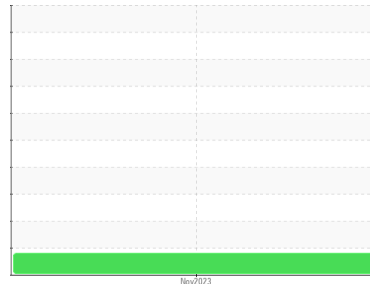
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
JOHN DEERE 843L 1DW843LBPKF699738

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- QTS)

DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WE0005726	---	---
Sample Date	Client Info	15 Nov 2023	---	---
Machine Age	hrs Client Info	5825	---	---
Oil Age	hrs Client Info	100	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ATTENTION	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	11	---	---
Iron	ppm ASTM D5185m >20	4	---	---
Chromium	ppm ASTM D5185m >10	<1	---	---
Nickel	ppm ASTM D5185m >10	0	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >10	<1	---	---
Lead	ppm ASTM D5185m >10	0	---	---
Copper	ppm ASTM D5185m >75	2	---	---
Tin	ppm ASTM D5185m >10	0	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	<1	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	0	---	---
Calcium	ppm ASTM D5185m 87	139	---	---
Phosphorus	ppm ASTM D5185m 727	535	---	---
Zinc	ppm ASTM D5185m 900	747	---	---
Sulfur	ppm ASTM D5185m 1500	1303	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	2	---	---
Sodium	ppm ASTM D5185m	2	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

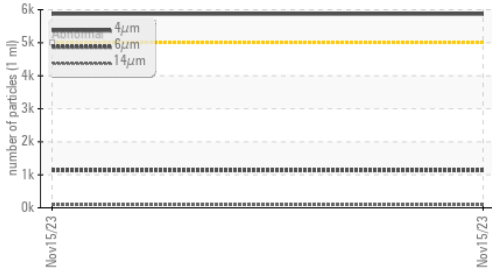
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 5872	---	---
Particles >6µm	ASTM D7647 >1300	1132	---	---
Particles >14µm	ASTM D7647 >160	89	---	---
Particles >21µm	ASTM D7647 >40	20	---	---
Particles >38µm	ASTM D7647 >10	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 20/17/14	---	---

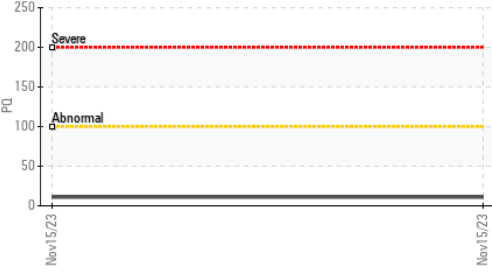


OIL ANALYSIS REPORT

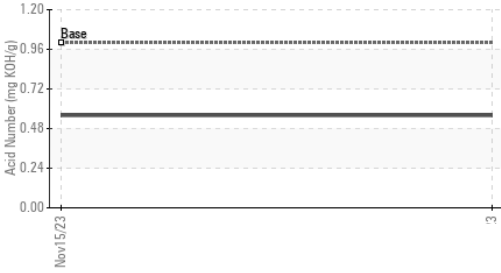
▲ Particle Trend



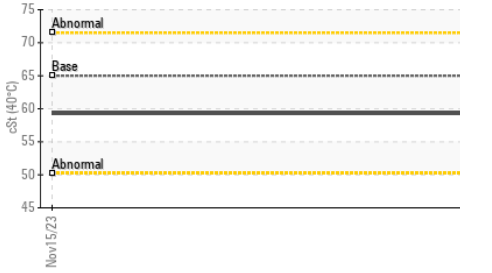
PQ



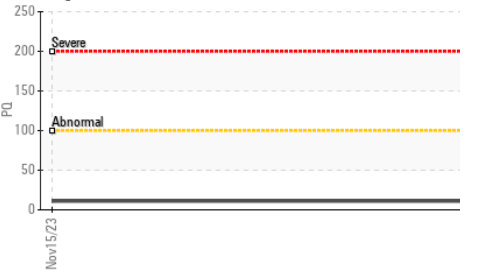
Acid Number



Viscosity @ 40°C



PQ



FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 1.0	0.56	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	---	---
Yellow Metal	scalar *Visual	NONE	---	---
Precipitate	scalar *Visual	NONE	---	---
Silt	scalar *Visual	NONE	---	---
Debris	scalar *Visual	NONE	---	---
Sand/Dirt	scalar *Visual	NONE	---	---
Appearance	scalar *Visual	NORML	---	---
Odor	scalar *Visual	NORML	---	---
Emulsified Water	scalar *Visual	>0.1	---	---
Free Water	scalar *Visual	NEG	---	---

FLUID PROPERTIES

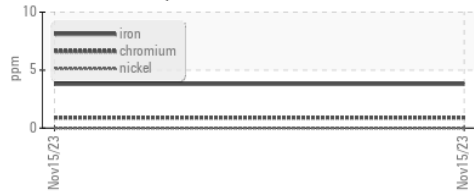
method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445 65	59.3	---	---

SAMPLE IMAGES

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

GRAPHS

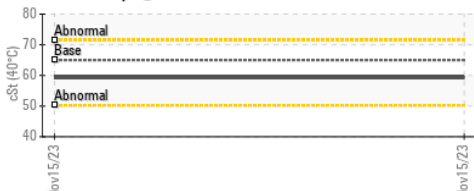
Ferrous Alloys



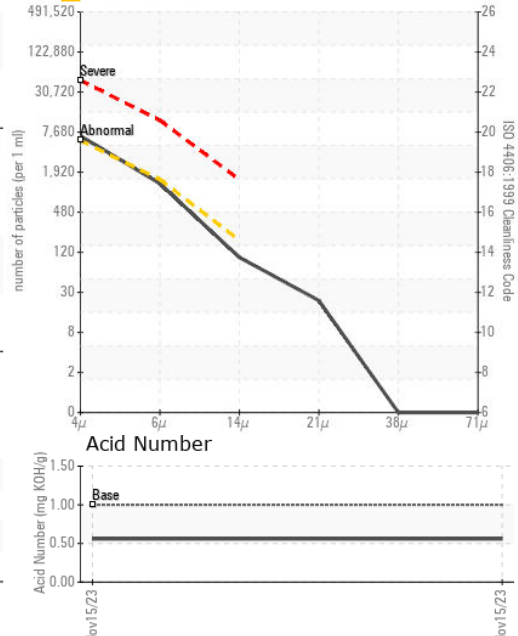
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0005726 **Received** : 17 Nov 2023
Lab Number : 06010686 **Diagnosed** : 20 Nov 2023
Unique Number : 10749830 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT
P.O. BOX 412
NORTHPORT, AL
US 35476
Contact: CRAIG ANDOE
serve01@warriortractor.com
T: (205)339-0300
F:

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)