



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1023E 1LV1023ECJJ117304

Component
Hydraulic System

Fluid
{not provided} (--- QTS)

RECOMMENDATION

We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

The iron level is abnormal. All other component wear rates are normal.

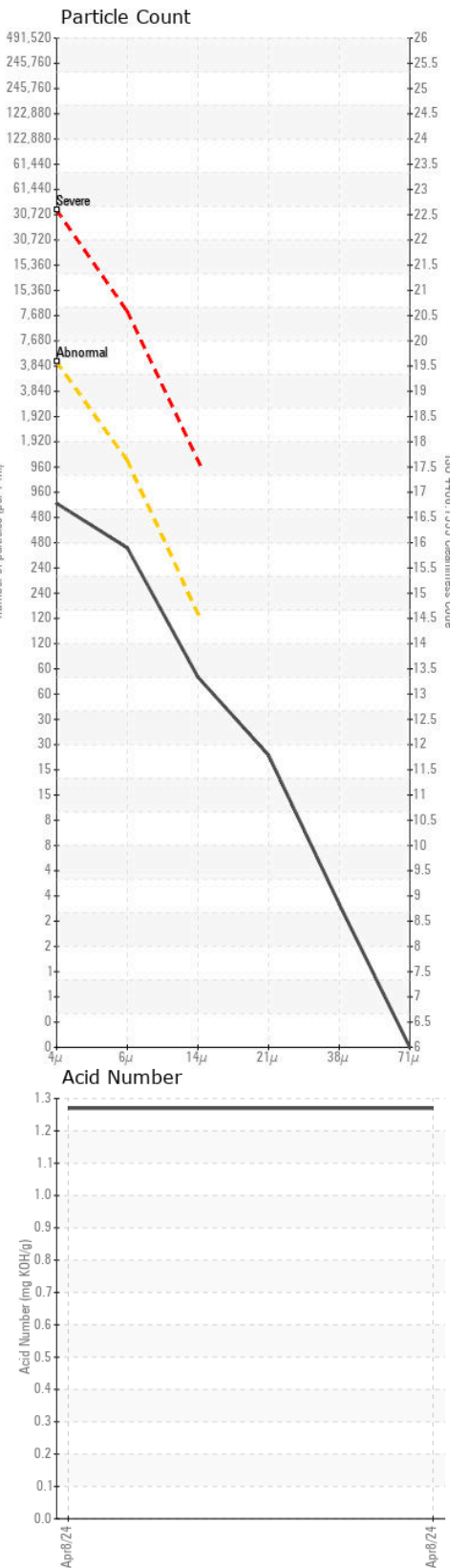
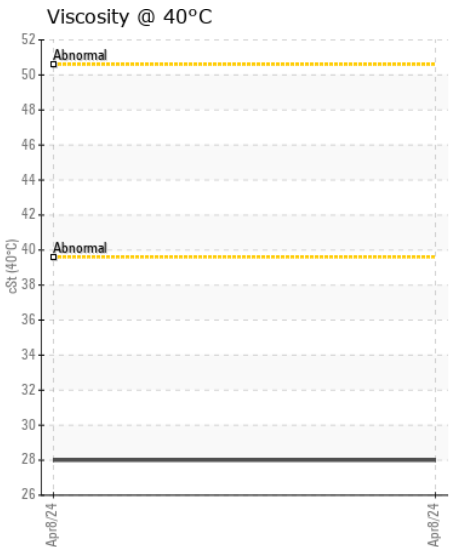
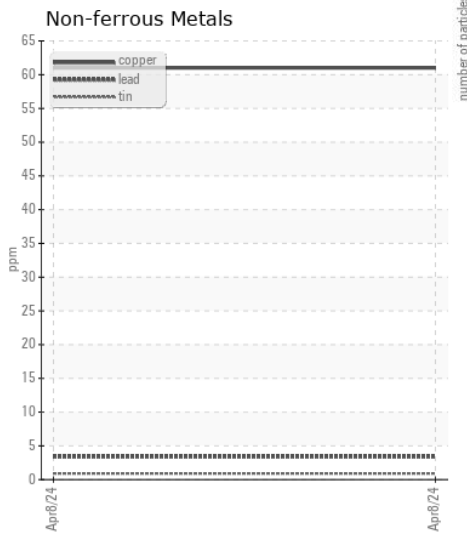
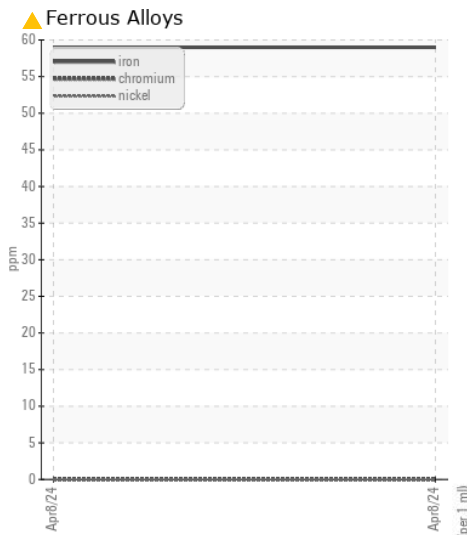
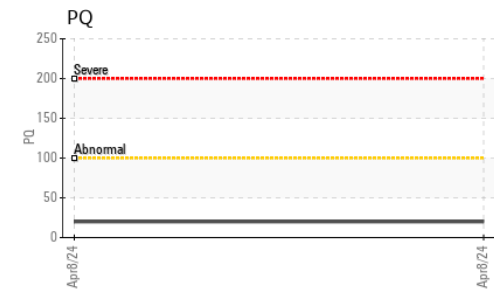
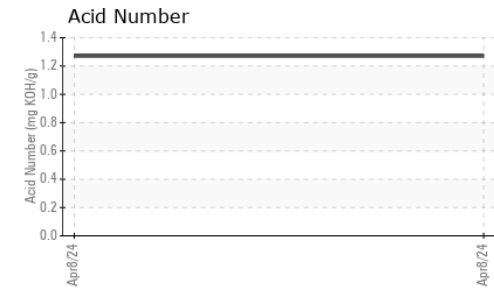
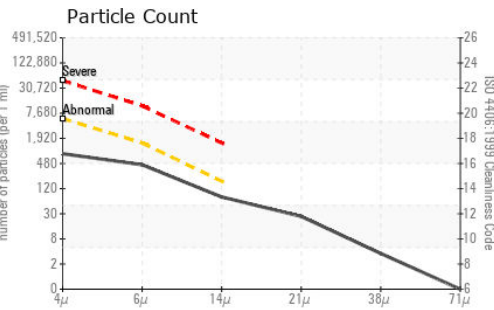
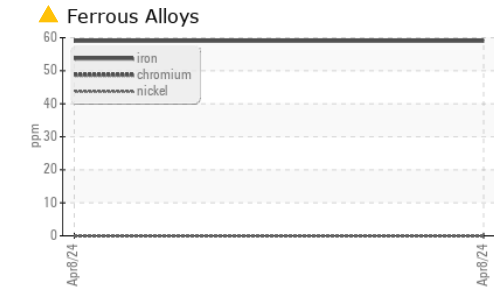
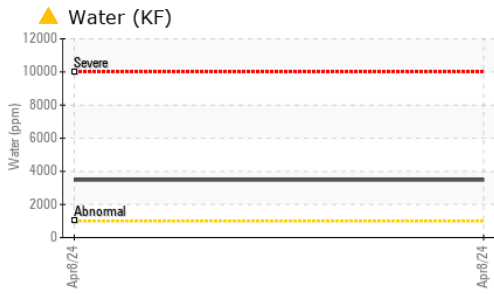
CONTAMINATION

There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200841	---	---
Sample Date		Client Info		08 Apr 2024	---	---
Machine Age	hrs	Client Info		151	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184		20	---	---
Iron	ppm	ASTM D5185m	>20	▲ 59	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	2	---	---
Lead	ppm	ASTM D5185m	>10	3	---	---
Copper	ppm	ASTM D5185m	>75	61	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>20	16	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>0.1	▲ 0.348	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 3480	---	---
Particles >4µm		ASTM D7647	>5000	722	---	---
Particles >6µm		ASTM D7647	>1300	393	---	---
Particles >14µm		ASTM D7647	>160	67	---	---
Particles >21µm		ASTM D7647	>40	23	---	---
Particles >38µm		ASTM D7647	>10	3	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/13	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		95	---	---
Calcium	ppm	ASTM D5185m		3594	---	---
Phosphorus	ppm	ASTM D5185m		1055	---	---
Zinc	ppm	ASTM D5185m		1268	---	---
Sulfur	ppm	ASTM D5185m		3914	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.27	---	---
Visc @ 40°C	cSt	ASTM D445		28.0	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200841 **Received** : 15 Apr 2024
Lab Number : 06148562 **Tested** : 19 Apr 2024
Unique Number : 10978640 **Diagnosed** : 19 Apr 2024 - Jonathan Hester
Test Package : MOBCE (Additional Tests: KF, PQ)

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)

JRE - SHELBY
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 SHELBY, NC
 US 28150

Contact: LEVI BOWMAN
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