



Machine Id
JOHN DEERE 750J 210354
 Component
Right Final Drive
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

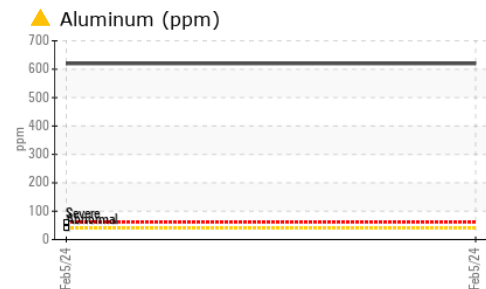
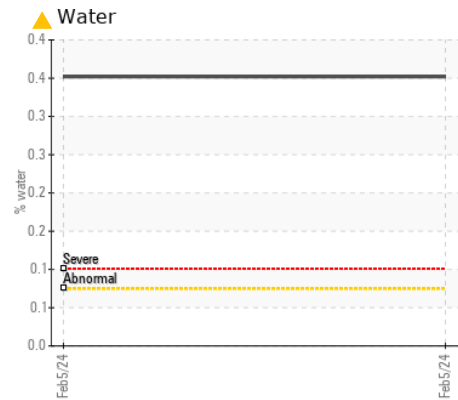
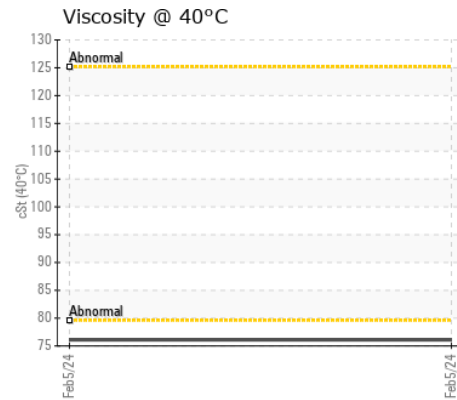
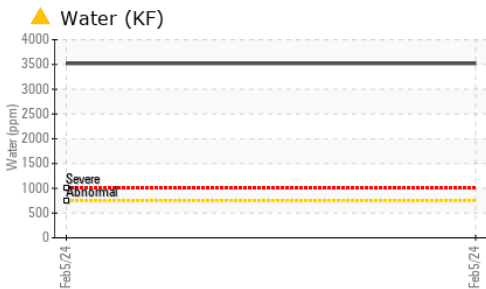
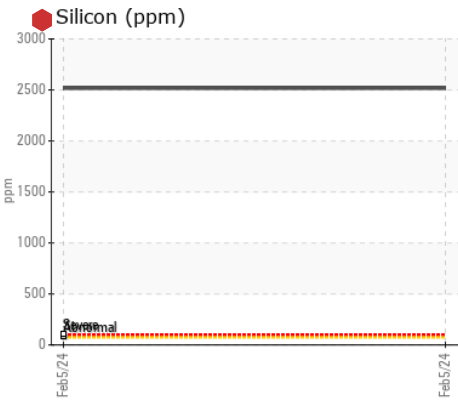
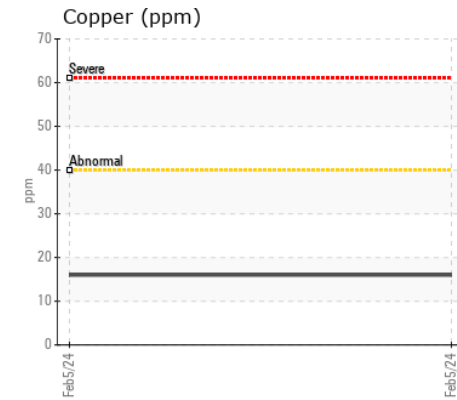
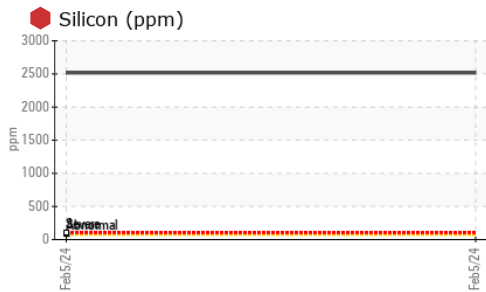
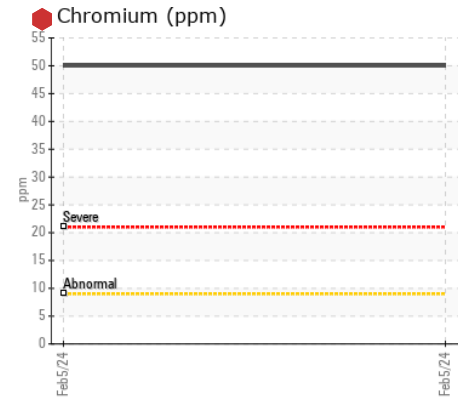
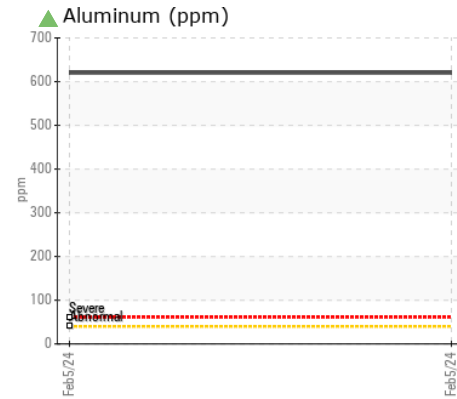
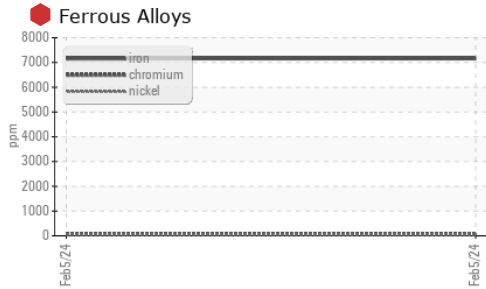
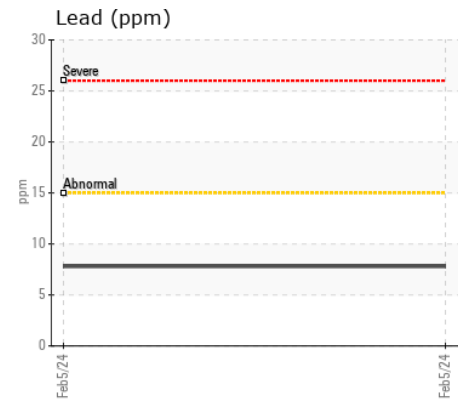
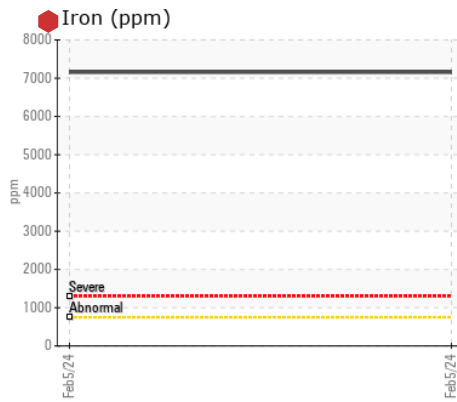
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0158714	---	---
Sample Date		Client Info		05 Feb 2024	---	---
Machine Age	hrs	Client Info		14813	---	---
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				SEVERE	---	---
PQ		ASTM D8184	>1250	1646	---	---
Iron	ppm	ASTM D5185m	>750	7156	---	---
Chromium	ppm	ASTM D5185m	>9	50	---	---
Nickel	ppm	ASTM D5185m	>10	51	---	---
Titanium	ppm	ASTM D5185m		111	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	620	---	---
Lead	ppm	ASTM D5185m	>15	8	---	---
Copper	ppm	ASTM D5185m	>40	16	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		3	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	2517	---	---
Potassium	ppm	ASTM D5185m	>20	83	---	---
Water	%	ASTM D6304	>0.075	0.352	---	---
ppm Water	ppm	ASTM D6304	>750	3520	---	---
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	>0.075	0.2%	---	---
Sodium	ppm	ASTM D5185m	>51	18	---	---
Boron	ppm	ASTM D5185m		6	---	---
Barium	ppm	ASTM D5185m		2	---	---
Molybdenum	ppm	ASTM D5185m		11	---	---
Manganese	ppm	ASTM D5185m		52	---	---
Magnesium	ppm	ASTM D5185m		117	---	---
Calcium	ppm	ASTM D5185m		2588	---	---
Phosphorus	ppm	ASTM D5185m		919	---	---
Zinc	ppm	ASTM D5185m		1042	---	---
Sulfur	ppm	ASTM D5185m		5115	---	---
Visc @ 40°C	cSt	ASTM D445		76.1	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0158714

Lab Number : 06083165

Unique Number : 10870610

Test Package : MOBCE (Additional Tests: KF, PQ)

Received : 07 Feb 2024

Tested : 08 Feb 2024

Diagnosed : 09 Feb 2024 - Sean Felton

JRE - FISHERSVILLE

98 EXPO ROAD

FISHERSVILLE, VA

US 22939

Contact: MIKE JENKINS

MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM

T: (540)292-3494

F: (540)337-1495

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)