MOB

James River Equipment

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[W11786 WELLS CONST]
Machine Id
JOHN DEERE 333G 1T0333GMCHF313485
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. 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.

FLUID CONDITION

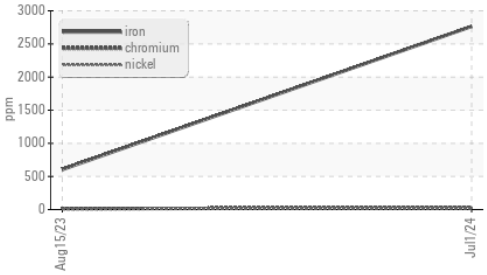
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207522	JR0170640	---
Sample Date		Client Info		01 Jul 2024	15 Aug 2023	---
Machine Age	hrs	Client Info		2150	2150	---
Oil Age	hrs	Client Info		2150	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	ABNORMAL	---
PQ		ASTM D8184	>1250	611	46	---
Iron	ppm	ASTM D5185m	>750	▲ 2765	604	---
Chromium	ppm	ASTM D5185m	>9	▲ 26	▲ 13	---
Nickel	ppm	ASTM D5185m	>10	▲ 14	8	---
Titanium	ppm	ASTM D5185m		28	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	● 527	● 39	---
Lead	ppm	ASTM D5185m	>15	1	0	---
Copper	ppm	ASTM D5185m	>40	5	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		2	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 1374	▲ 120	---
Potassium	ppm	ASTM D5185m	>20	357	35	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>51	9	11	---
Boron	ppm	ASTM D5185m		41	57	---
Barium	ppm	ASTM D5185m		10	37	---
Molybdenum	ppm	ASTM D5185m		4	<1	---
Manganese	ppm	ASTM D5185m		30	9	---
Magnesium	ppm	ASTM D5185m		115	42	---
Calcium	ppm	ASTM D5185m		120	67	---
Phosphorus	ppm	ASTM D5185m		363	557	---
Zinc	ppm	ASTM D5185m		15	53	---
Sulfur	ppm	ASTM D5185m		23973	24063	---
Visc @ 40°C	cSt	ASTM D445		139	134	---

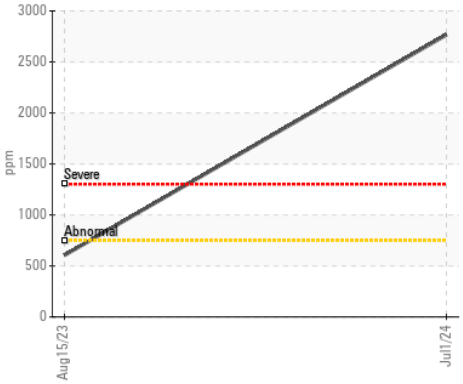
Report Id: JAMSALJR [WUSCAR] 06230458 (Generated: 07/10/2024 11:07:08) Rev: 1

Submitted By: ROBERT SMITH

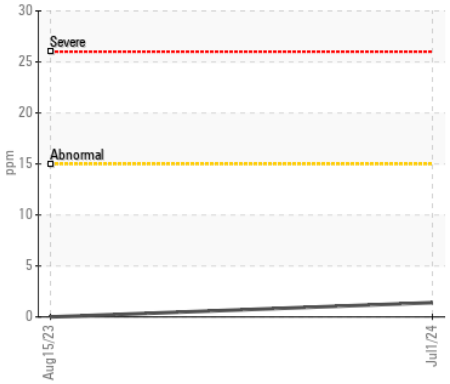
Ferrous Alloys



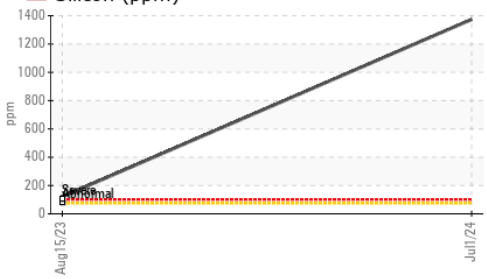
Iron (ppm)



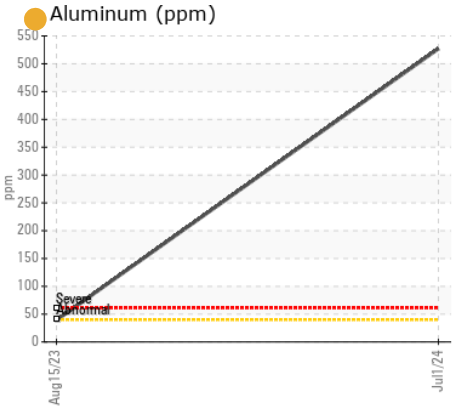
Lead (ppm)



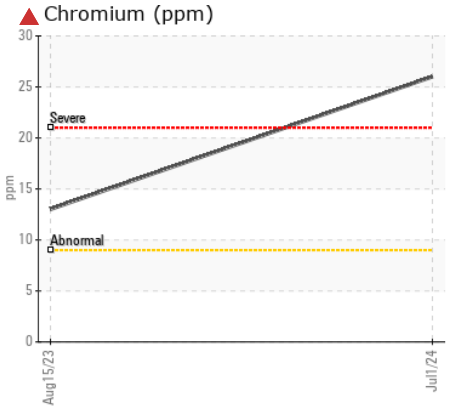
Silicon (ppm)



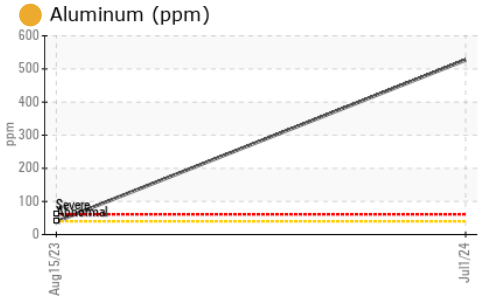
Aluminum (ppm)



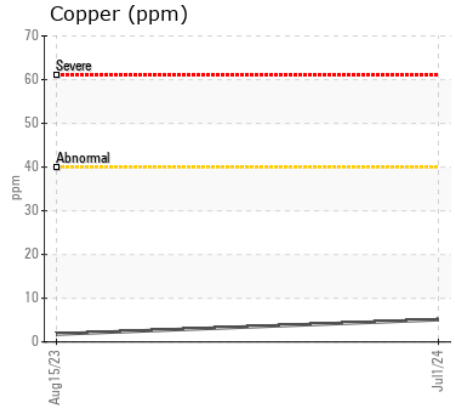
Chromium (ppm)



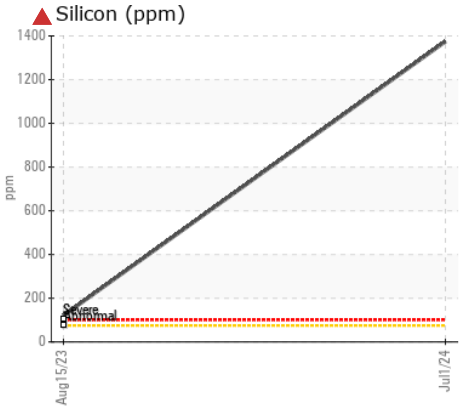
Aluminum (ppm)



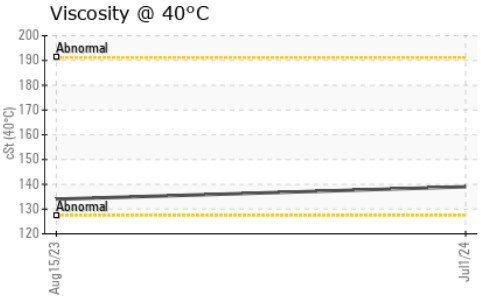
Copper (ppm)



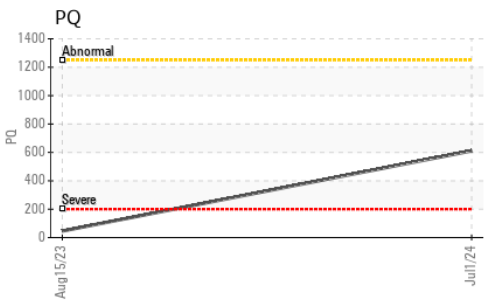
Silicon (ppm)



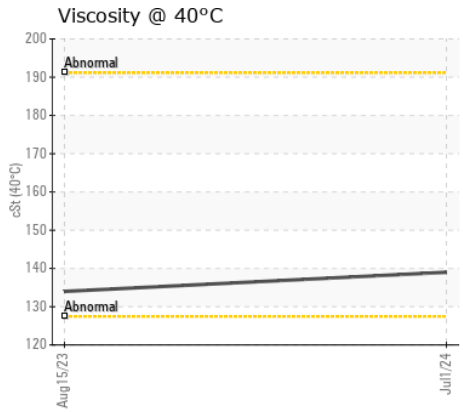
Viscosity @ 40°C



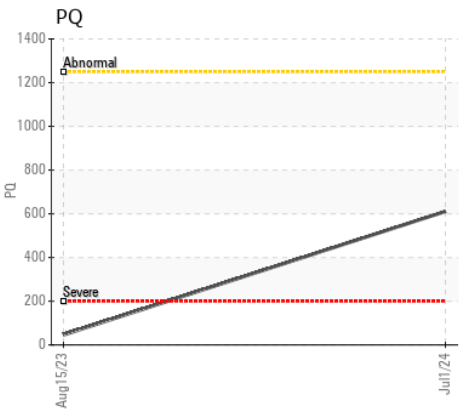
PQ



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207522 **Received** : 08 Jul 2024
Lab Number : 06230458 **Tested** : 10 Jul 2024
Unique Number : 11113951 **Diagnosed** : 10 Jul 2024 - Don Baldridge
Test Package : MOBCE (Additional Tests: 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)

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