James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W45053]
Machine Id
JOHN DEERE 410L 1T0410LXLMF398469
Component
Front Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (9 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

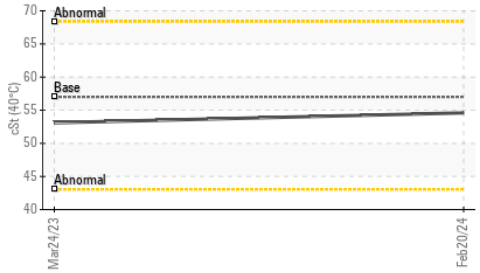
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0190154	JR0166270	---
Sample Date		Client Info		20 Feb 2024	24 Mar 2023	---
Machine Age	hrs	Client Info		1449	944	---
Oil Age	hrs	Client Info		1449	944	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	None	---
Sample Status				NORMAL	NORMAL	---
PQ		ASTM D8184		558	256	---
Iron	ppm	ASTM D5185m	>500	232	137	---
Chromium	ppm	ASTM D5185m	>10	2	1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	3	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>100	77	44	---
Tin	ppm	ASTM D5185m	>10	2	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	17	15	---
Potassium	ppm	ASTM D5185m	>20	3	1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	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	>.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		15	17	---
Boron	ppm	ASTM D5185m	6	106	101	---
Barium	ppm	ASTM D5185m	0	6	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		11	8	---
Magnesium	ppm	ASTM D5185m	145	15	17	---
Calcium	ppm	ASTM D5185m	3570	3218	3325	---
Phosphorus	ppm	ASTM D5185m	1290	1022	1076	---
Zinc	ppm	ASTM D5185m	1640	1323	1344	---
Sulfur	ppm	ASTM D5185m		3854	4169	---
Visc @ 40°C	cSt	ASTM D445	57.0	54.6	53.1	---

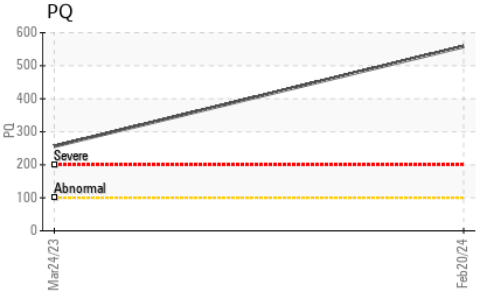
Report Id: JAMMAN [WUSCAR] 06097941 (Generated: 02/25/2024 14:43:59) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

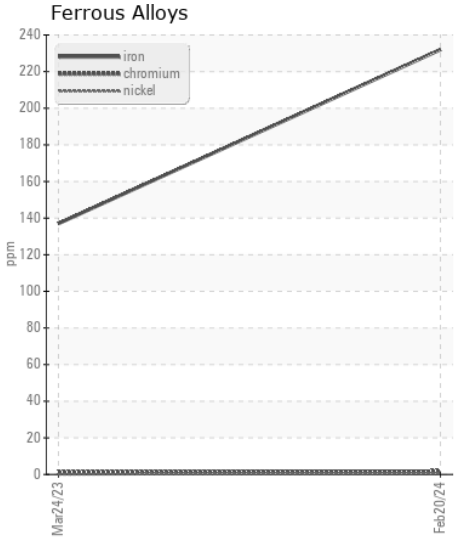
Viscosity @ 40°C



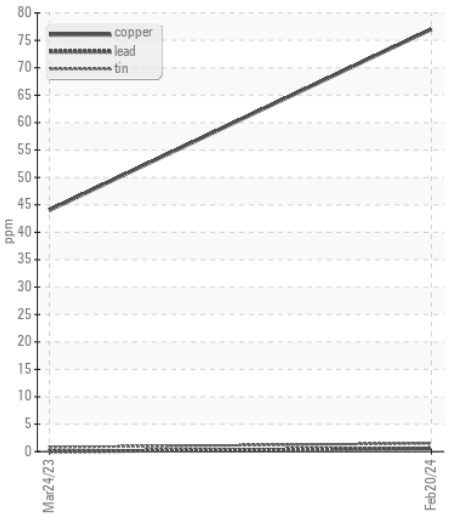
PQ



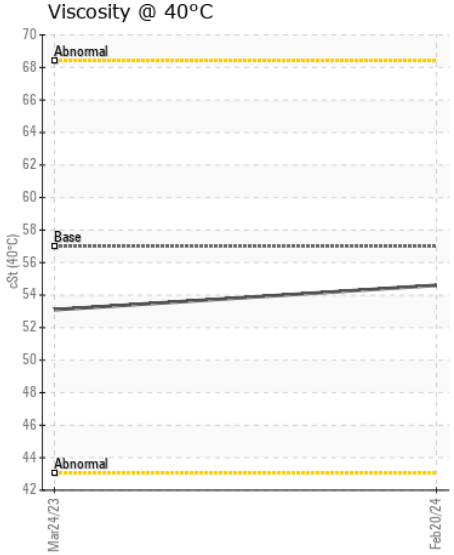
Ferrous Alloys



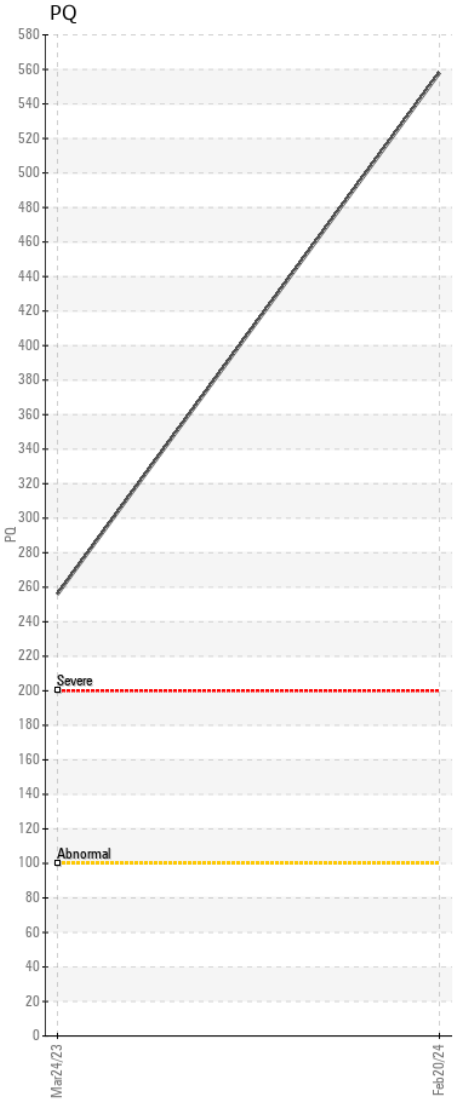
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0190154
Lab Number : 06097941
Unique Number : 10896171
Test Package : CONST (Additional Tests: PQ)

Received : 22 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 25 Feb 2024 - Don Baldridge

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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