James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[FROM TRANS FILTER]
Machine Id
JOHN DEERE 1T0310SLCKF348599
Component
Transmission
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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

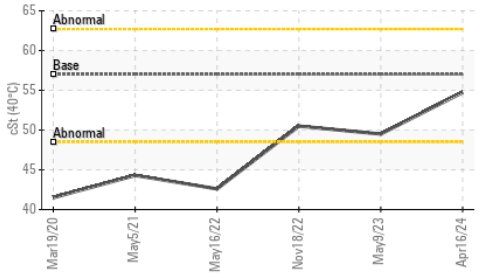
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210136	JR0173100	JR0153138
Sample Date		Client Info		16 Apr 2024	09 May 2023	18 Nov 2022
Machine Age	hrs	Client Info		2649	2189	1961
Oil Age	hrs	Client Info		0	2027	1961
Filter Age	hrs	Client Info		0	2027	1961
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>100	21	17	12
Iron	ppm	ASTM D5185m	>61	12	26	21
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	4	5
Lead	ppm	ASTM D5185m	>9	<1	1	1
Copper	ppm	ASTM D5185m	>100	4	10	8
Tin	ppm	ASTM D5185m	>3	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>21	6	4	4
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>30	1	2	0
Boron	ppm	ASTM D5185m	6	3	10	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	3	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	104	100	103
Calcium	ppm	ASTM D5185m	3570	3498	3466	3548
Phosphorus	ppm	ASTM D5185m	1290	1009	1034	1024
Zinc	ppm	ASTM D5185m	1640	1236	1261	1192
Sulfur	ppm	ASTM D5185m		4099	3600	4009
Visc @ 40°C	cSt	ASTM D445	57.0	54.73	49.5	50.5

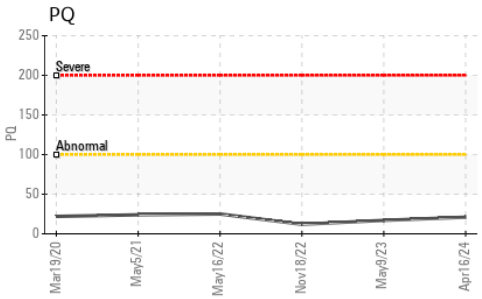
Report Id: NPLMAN [WUSCAR] 06153578 (Generated: 04/19/2024 10:42:46) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

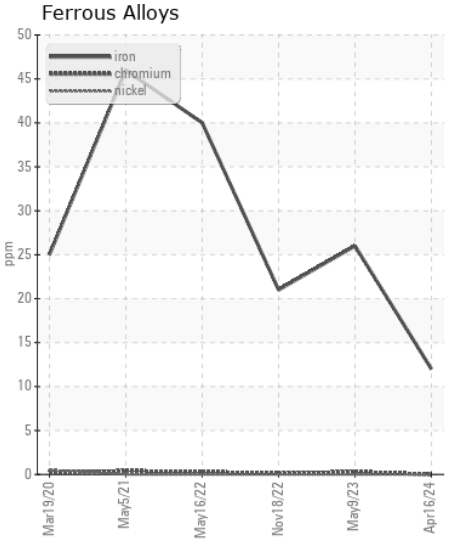
Viscosity @ 40°C



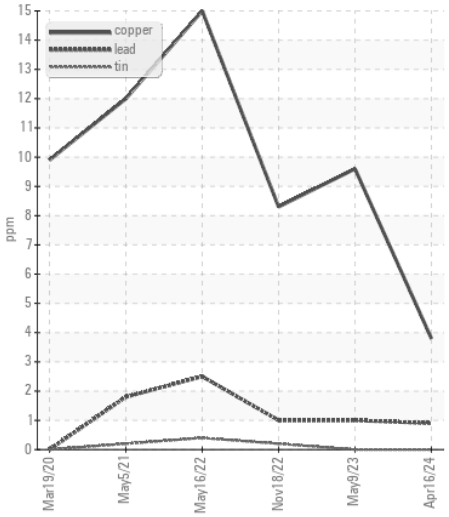
PQ



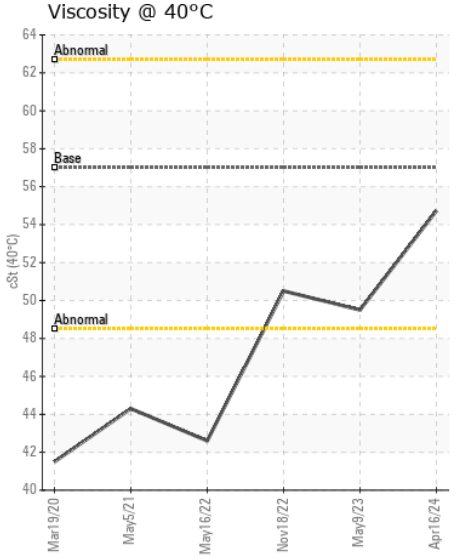
Ferrous Alloys



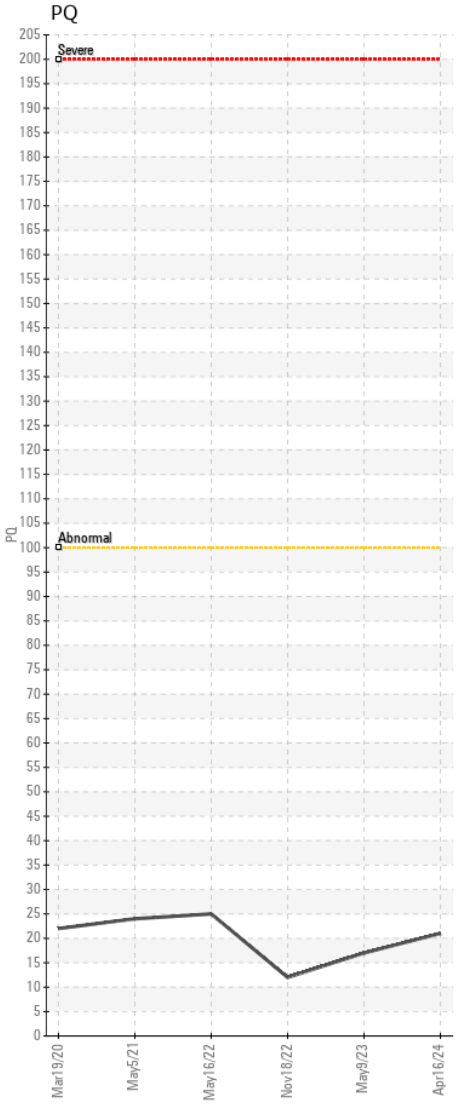
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210136
Lab Number : 06153578
Unique Number : 10983656
Test Package : CONST (Additional Tests: PQ)

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 2024 - Doug Bogart

NPL CONSTRUCTION
7611 COPPERMINE DR
MANASSAS, VA
US 20109-2668
Contact: BRANDON

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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F: