James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1T0310SLKMF397471
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

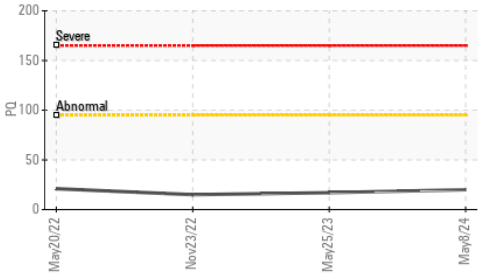
There is no indication of any contamination in the fluid.

FLUID CONDITION

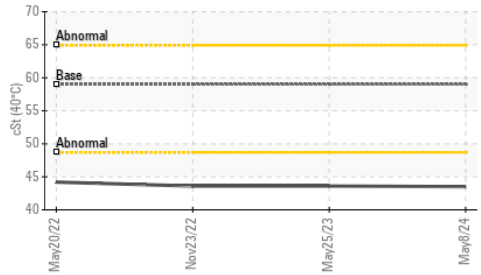
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214670	JR0174739	JR0154647
Sample Date		Client Info		08 May 2024	25 May 2023	23 Nov 2022
Machine Age	hrs	Client Info		1504	944	707
Oil Age	hrs	Client Info		1504	944	707
Filter Age	hrs	Client Info		1504	944	707
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>95	20	17	15
Iron	ppm	ASTM D5185m	>200	52	43	38
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	16	14	12
Lead	ppm	ASTM D5185m	>45	1	1	<1
Copper	ppm	ASTM D5185m	>225	14	11	11
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	8	8	7
Potassium	ppm	ASTM D5185m	>20	6	5	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	8	8
Boron	ppm	ASTM D5185m		18	18	21
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		4	3	3
Magnesium	ppm	ASTM D5185m		84	96	92
Calcium	ppm	ASTM D5185m		3252	3602	3538
Phosphorus	ppm	ASTM D5185m		1063	1117	1016
Zinc	ppm	ASTM D5185m		1218	1405	1278
Sulfur	ppm	ASTM D5185m		3974	4645	3968
Visc @ 40°C	cSt	ASTM D445	59	43.5	43.6	43.6

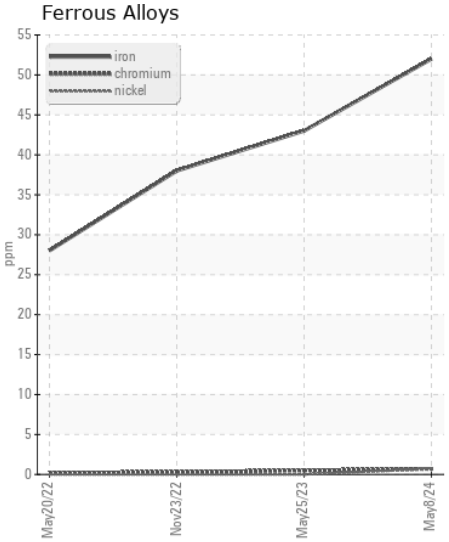
PQ



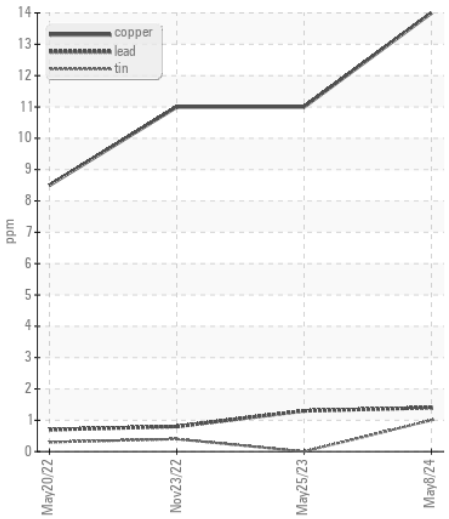
Viscosity @ 40°C



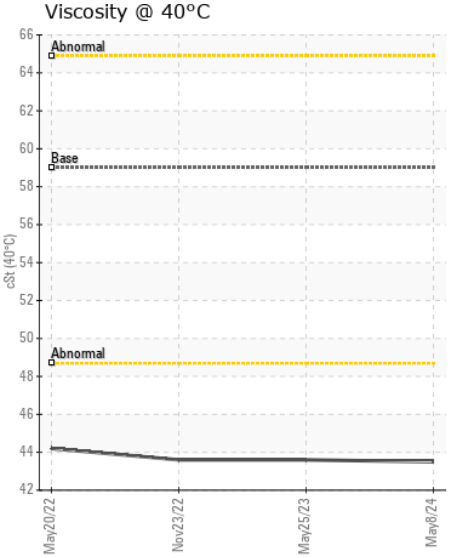
Ferrous Alloys



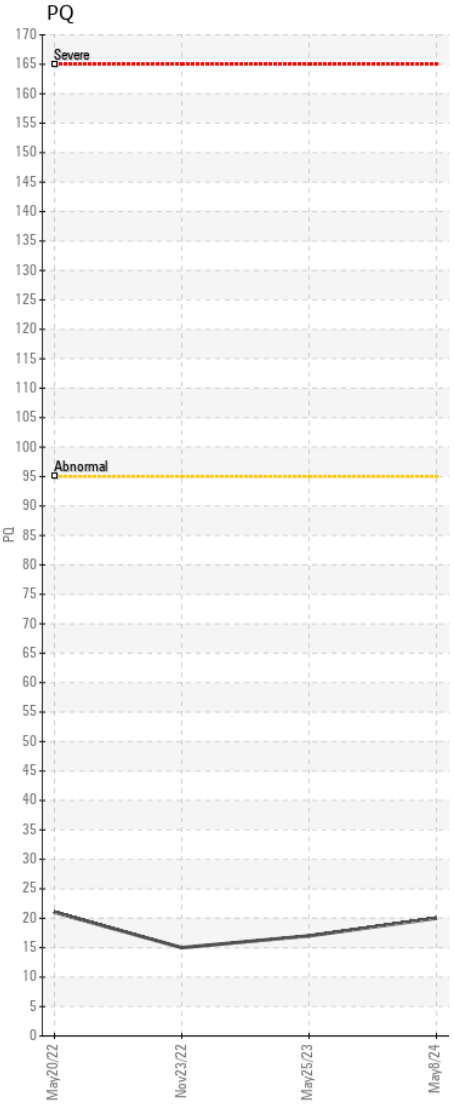
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214670
Lab Number : 06174096
Unique Number : 11020149
Test Package : CONST (Additional Tests: PQ)

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 12 May 2024 - Don Baldridge

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: