James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410L PM051615 (S/N 1T0410LXLNF420505)
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

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

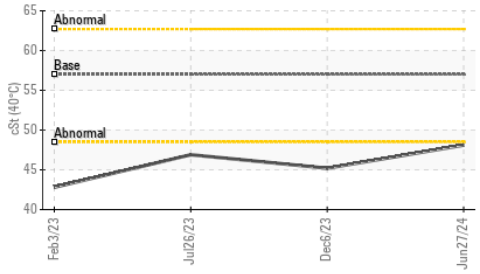
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210402	JR0195097	JR0169506
Sample Date		Client Info		27 Jun 2024	06 Dec 2023	26 Jul 2023
Machine Age	hrs	Client Info		1993	1513	1002
Oil Age	hrs	Client Info		1002	0	0
Filter Age	hrs	Client Info		1002	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>95	16	9	17
Iron	ppm	ASTM D5185m	>200	24	20	23
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	4	4
Lead	ppm	ASTM D5185m	>45	0	1	0
Copper	ppm	ASTM D5185m	>225	6	11	14
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	4	5	6
Potassium	ppm	ASTM D5185m	>20	0	0	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	5	8
Boron	ppm	ASTM D5185m	6	14	16	24
Barium	ppm	ASTM D5185m	0	<1	<1	0
Molybdenum	ppm	ASTM D5185m	0	7	4	<1
Manganese	ppm	ASTM D5185m		1	2	3
Magnesium	ppm	ASTM D5185m	145	109	102	83
Calcium	ppm	ASTM D5185m	3570	3283	3211	3617
Phosphorus	ppm	ASTM D5185m	1290	990	861	1045
Zinc	ppm	ASTM D5185m	1640	1149	1258	1321
Sulfur	ppm	ASTM D5185m		3755	3678	4185
Visc @ 40°C	cSt	ASTM D445	57.0	48.1	45.2	46.9

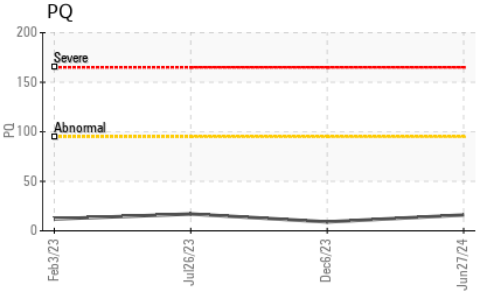
Report Id: JAMWIN [WUSCAR] 06225359 (Generated: 07/02/2024 20:59:37) Rev: 1

Submitted By: COTY MAGAHA

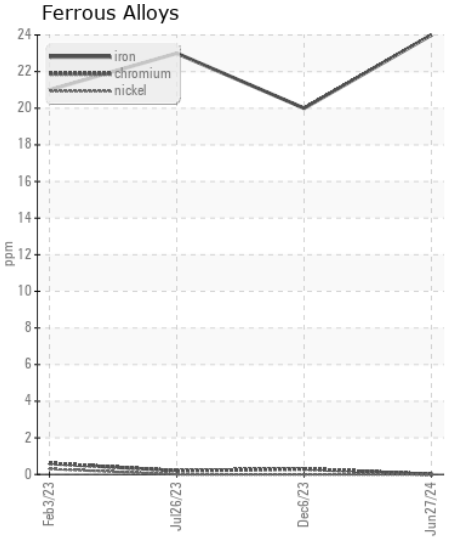
Viscosity @ 40°C



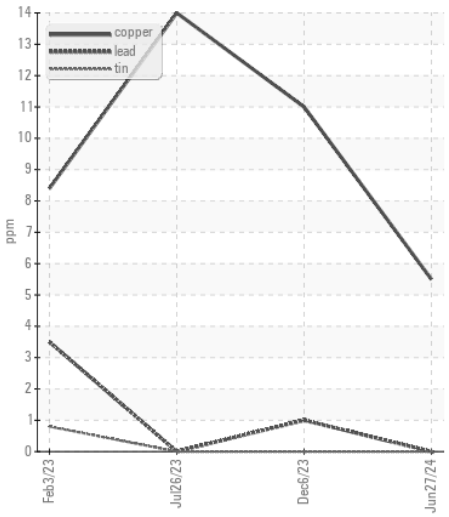
PQ



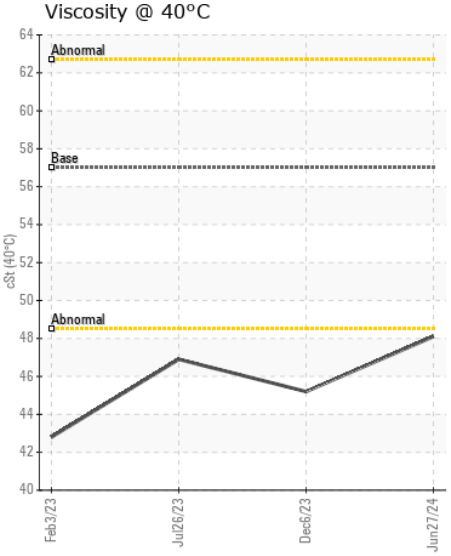
Ferrous Alloys



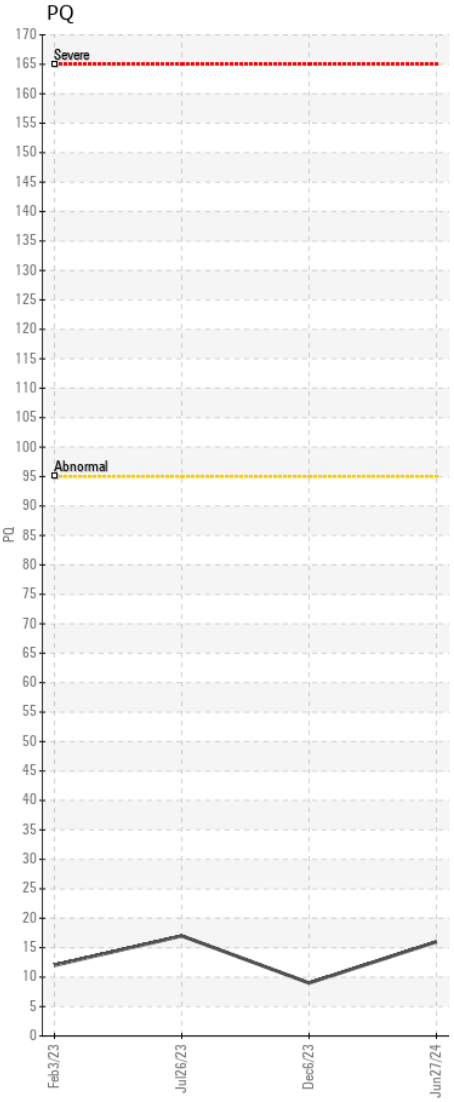
Non-ferrous Metals



Viscosity @ 40°C



PQ



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210402 **Received** : 01 Jul 2024
Lab Number : 06225359 **Tested** : 02 Jul 2024
Unique Number : 11103556 **Diagnosed** : 02 Jul 2024 - Don Baldridge
Test Package : CONST (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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