James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W15504]
Machine Id
JOHN DEERE 750L 1T0750LXEMF411340
Component
Right Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (17 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15504)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

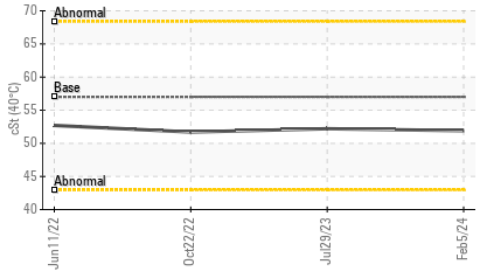
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196527	JR0173398	JR0136175
Sample Date		Client Info		05 Feb 2024	29 Jul 2023	22 Oct 2022
Machine Age	hrs	Client Info		2008	1567	995
Oil Age	hrs	Client Info		1013	572	995
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	188	88	69
Iron	ppm	ASTM D5185m	>750	291	179	136
Chromium	ppm	ASTM D5185m	>9	2	1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	2	1
Lead	ppm	ASTM D5185m	>15	2	2	3
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	5	5	4
Potassium	ppm	ASTM D5185m	>20	1	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	>51	0	0	1
Boron	ppm	ASTM D5185m	6	1	0	3
Barium	ppm	ASTM D5185m	0	1	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	<1	1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	145	100	92	89
Calcium	ppm	ASTM D5185m	3570	3262	3603	3472
Phosphorus	ppm	ASTM D5185m	1290	906	1028	979
Zinc	ppm	ASTM D5185m	1640	1279	1248	1199
Sulfur	ppm	ASTM D5185m		3455	3702	4110
Visc @ 40°C	cSt	ASTM D445	57.0	51.9	52.2	51.7

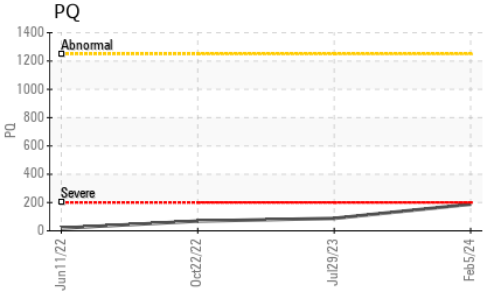
Report Id: RWMCAS [WUSCAR] 06082749 (Generated: 02/08/2024 09:56:29) Rev: 1

Submitted By: JACOB HARVEY

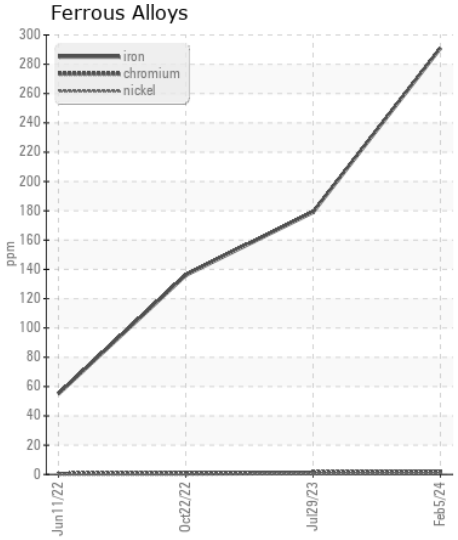
Viscosity @ 40°C



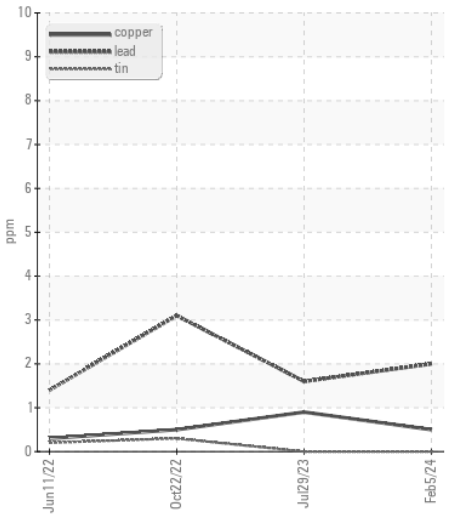
PQ



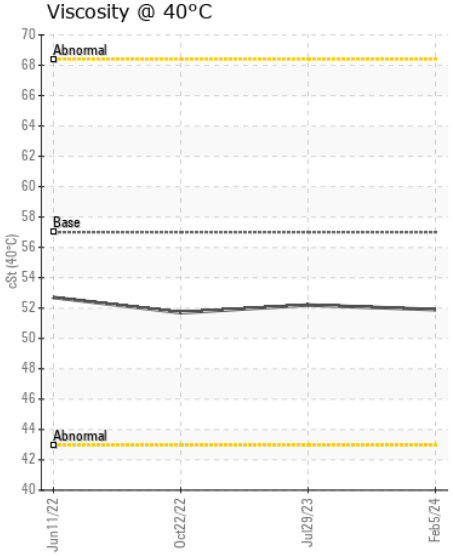
Ferrous Alloys



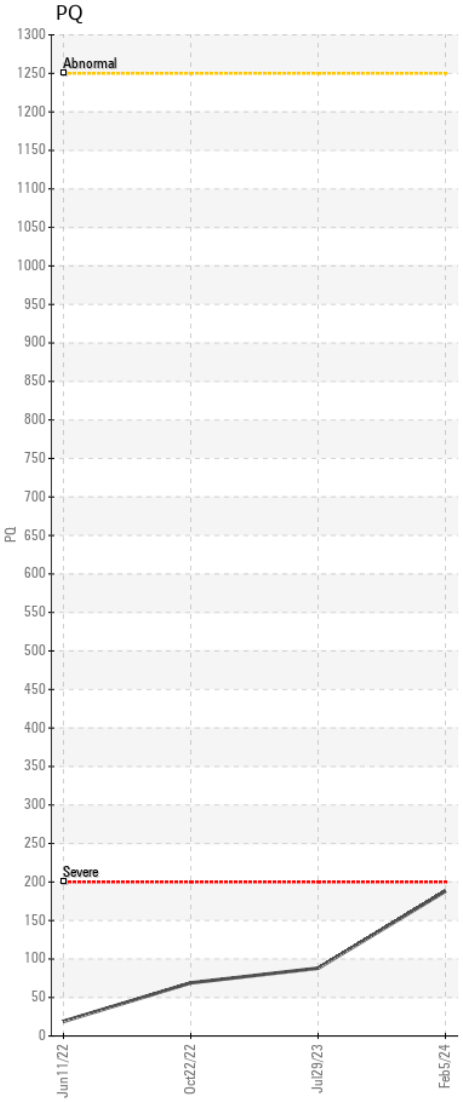
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196527
Lab Number : 06082749
Unique Number : 10870194
Test Package : CONST (Additional Tests: PQ)

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 08 Feb 2024 - Doug Bogart

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)

JRE - CASTLE HAYNE
113 CROWATAN ROAD
CASTLE HAYNE, NC
US 28429-5819
Contact: WILMINGTON SHOP
todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we
T: (910)675-9211
F: