James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544 P 1DW544PALNLZ16164
Component
Front Axle
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 oil.

FLUID CONDITION

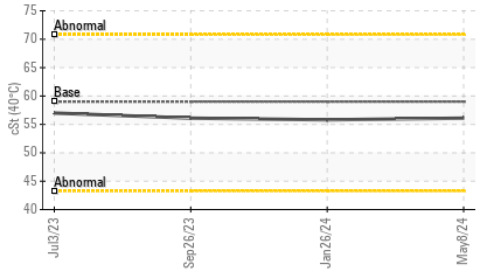
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213889	JR0200745	JR0186642
Sample Date		Client Info		08 May 2024	26 Jan 2024	26 Sep 2023
Machine Age	hrs	Client Info		2186	1648	1126
Oil Age	hrs	Client Info		2186	1648	1126
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL
PQ		ASTM D8184		76	84	183
Iron	ppm	ASTM D5185m	>750	184	136	137
Chromium	ppm	ASTM D5185m	>11	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	2	3
Lead	ppm	ASTM D5185m	>49	13	10	8
Copper	ppm	ASTM D5185m	>101	19	16	13
Tin	ppm	ASTM D5185m	>10	1	1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	14	12	12
Potassium	ppm	ASTM D5185m	>20	<1	2	0
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	>51	6	5	4
Boron	ppm	ASTM D5185m		26	24	22
Barium	ppm	ASTM D5185m		1	<1	0
Molybdenum	ppm	ASTM D5185m		13	12	13
Manganese	ppm	ASTM D5185m		3	3	2
Magnesium	ppm	ASTM D5185m		138	137	135
Calcium	ppm	ASTM D5185m		3450	3309	3229
Phosphorus	ppm	ASTM D5185m		1060	1042	1008
Zinc	ppm	ASTM D5185m		1297	1240	1220
Sulfur	ppm	ASTM D5185m		4322	3430	4014
Visc @ 40°C	cSt	ASTM D445	59	56.1	55.8	56.1

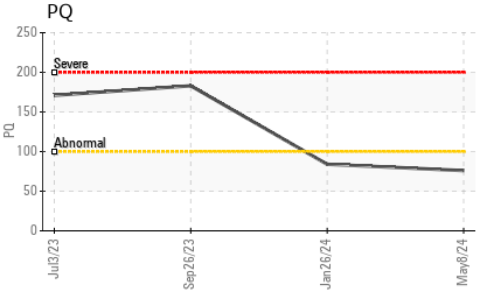
Report Id: RWMGRE [WUSCAR] 06174197 (Generated: 05/10/2024 11:47:05) Rev: 1

Submitted By: Jeffrey Moore

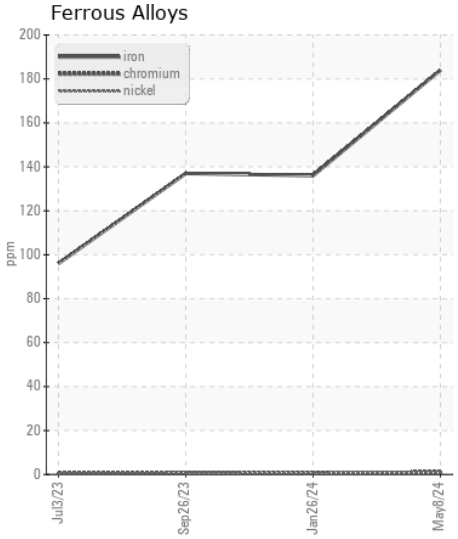
Viscosity @ 40°C



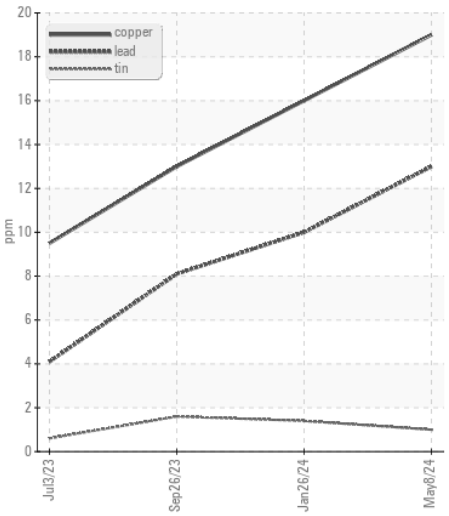
PQ



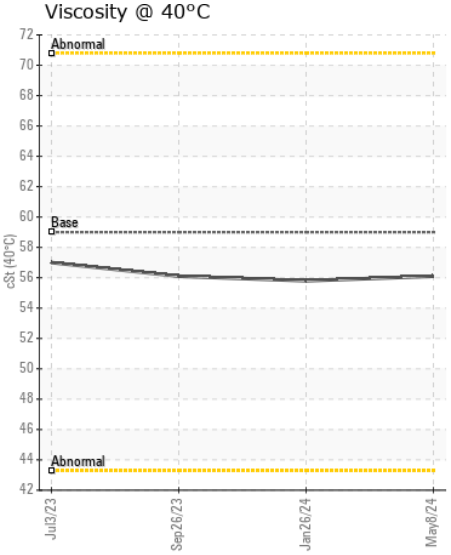
Ferrous Alloys



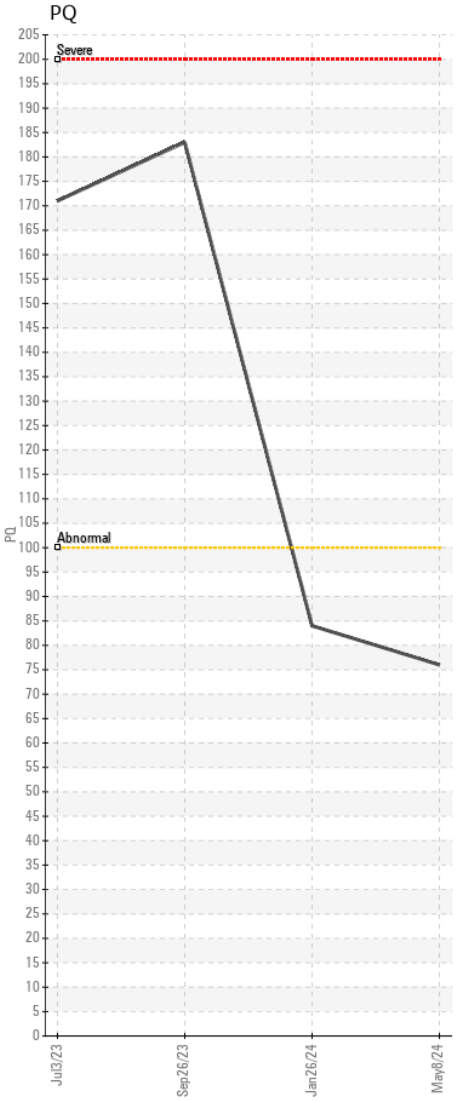
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213889 **Received** : 09 May 2024
Lab Number : 06174197 **Tested** : 10 May 2024
Unique Number : 11020250 **Diagnosed** : 10 May 2024 - Wes Davis
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)

JRE - GREENVILLE
3604 HIGHWAY 264 E
GREENVILLE, NC
US 27834-5800
Contact: GREENVILLE SHOP
christopher.martin@jamesriverequipment.com
T:
F: