James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PATNLZ14642
Component
Front Differential
Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

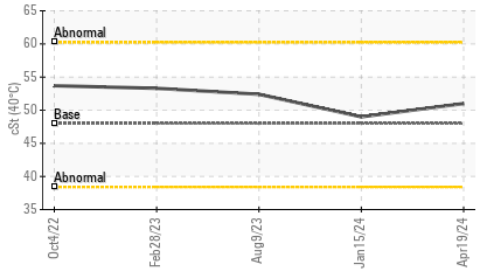
There is no indication of any contamination in the oil.

FLUID CONDITION

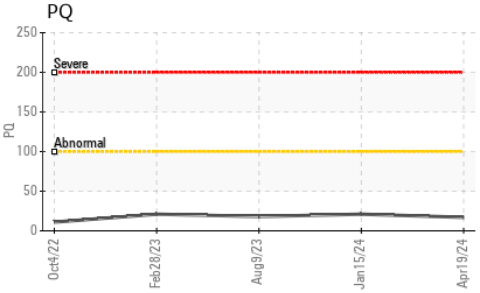
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206665	JR0188421	JR0177393
Sample Date		Client Info		19 Apr 2024	15 Jan 2024	09 Aug 2023
Machine Age	hrs	Client Info		2523	2317	1726
Oil Age	hrs	Client Info		206	1618	699
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		17	21	18
Iron	ppm	ASTM D5185m	>500	30	86	95
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	<1	2
Lead	ppm	ASTM D5185m	>25	12	▲ 41	▲ 40
Copper	ppm	ASTM D5185m	>100	76	▲ 227	▲ 254
Tin	ppm	ASTM D5185m	>10	1	5	4
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	>75	4	4	5
Potassium	ppm	ASTM D5185m	>20	2	2	5
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	6	0
Boron	ppm	ASTM D5185m	10	1	2	3
Barium	ppm	ASTM D5185m	10	<1	4	8
Molybdenum	ppm	ASTM D5185m	10	1	<1	1
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	100	95	94	98
Calcium	ppm	ASTM D5185m	3500	3355	3398	4034
Phosphorus	ppm	ASTM D5185m	1150	1006	1062	1153
Zinc	ppm	ASTM D5185m	1150	1225	1240	1358
Sulfur	ppm	ASTM D5185m	5000	3732	3579	4618
Visc @ 40°C	cSt	ASTM D445	48	51.0	49.0	52.4

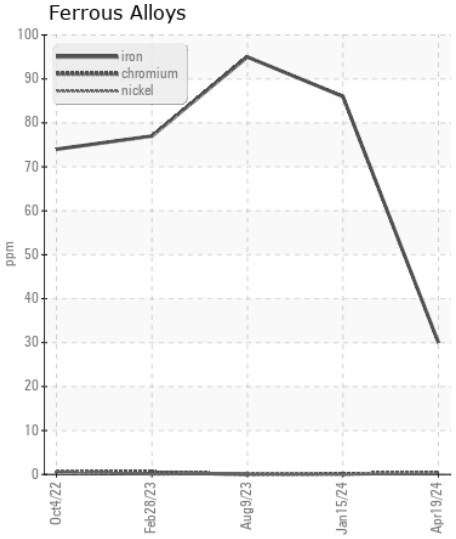
Viscosity @ 40°C



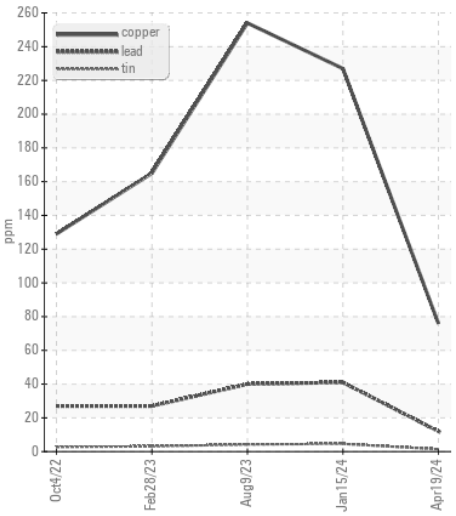
PQ



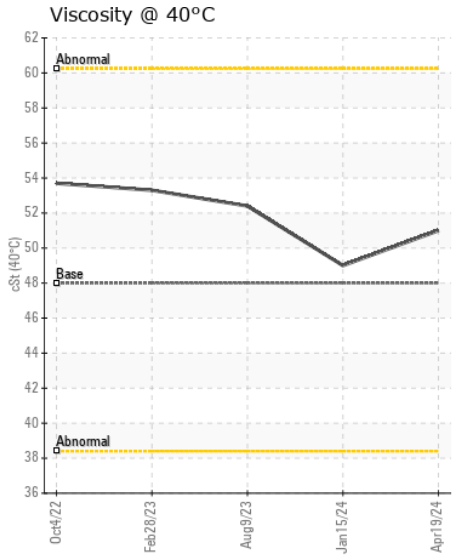
Ferrous Alloys



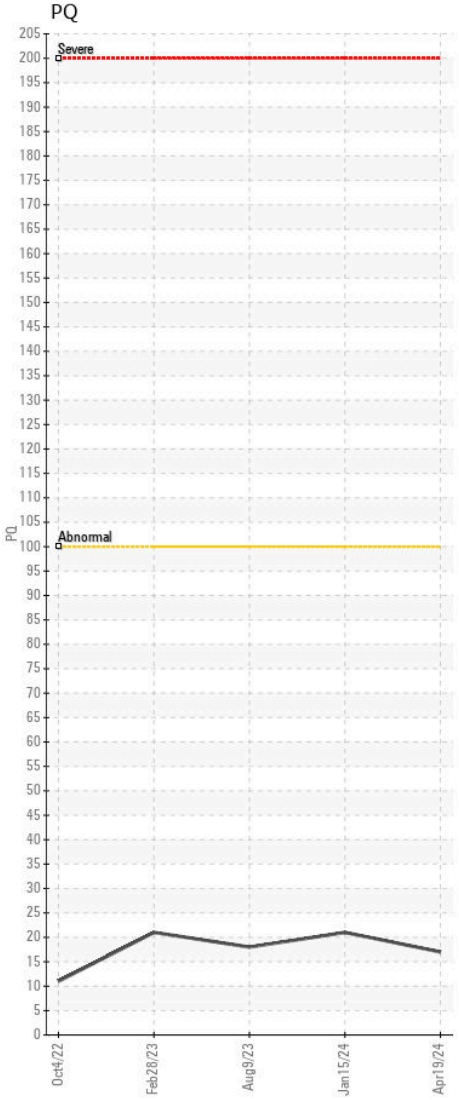
Non-ferrous Metals



Viscosity @ 40°C



PQ



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206665 **Received** : 23 Apr 2024
Lab Number : 06157942 **Tested** : 24 Apr 2024
Unique Number : 10993365 **Diagnosed** : 24 Apr 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)

CARLTON`S BACKHOE
9550 STATESVILLE ROAD
CHARLOTTE, NC
US 28269
Contact: LEO

T: (704)547-0211
F: