James River Equipment

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZVLF706825
Component
Front Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The lead level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

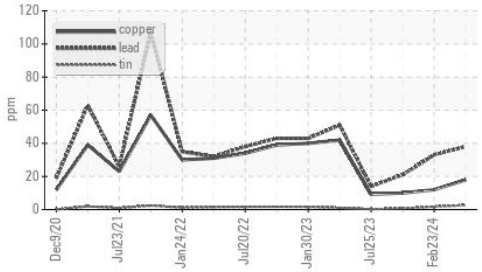
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218357	JR0196039	JR0190108
Sample Date		Client Info		19 Jun 2024	23 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info		7429	6930	6434
Oil Age	hrs	Client Info		5998	0	5833
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184		21	15	9
Iron	ppm	ASTM D5185m	>500	234	94	56
Chromium	ppm	ASTM D5185m	>10	1	<1	0
Nickel	ppm	ASTM D5185m	>10	1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	4	1	<1
Lead	ppm	ASTM D5185m	>25	▲ 38	33	21
Copper	ppm	ASTM D5185m	>100	18	12	10
Tin	ppm	ASTM D5185m	>10	3	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	29	15	7
Potassium	ppm	ASTM D5185m	>20	3	0	<1
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		5	7	6
Boron	ppm	ASTM D5185m	6	7	8	8
Barium	ppm	ASTM D5185m	0	2	<1	0
Molybdenum	ppm	ASTM D5185m	0	5	4	5
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m	145	103	107	105
Calcium	ppm	ASTM D5185m	3570	3194	3253	3085
Phosphorus	ppm	ASTM D5185m	1290	1005	945	939
Zinc	ppm	ASTM D5185m	1640	846	1006	1142
Sulfur	ppm	ASTM D5185m		3402	3382	3400
Visc @ 40°C	cSt	ASTM D445	57.0	51.4	52.9	53.7

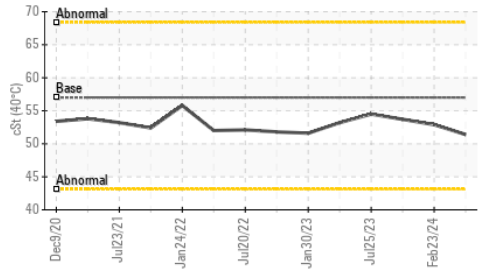
Report Id: JAMMAN [WUSCAR] 06218572 (Generated: 06/30/2024 14:22:05) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

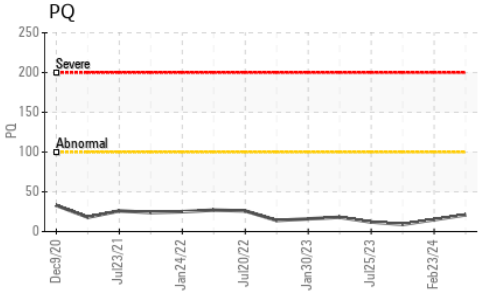
Non-ferrous Metals



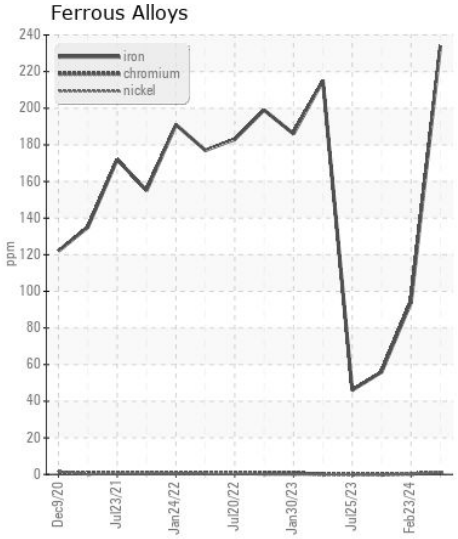
Viscosity @ 40°C



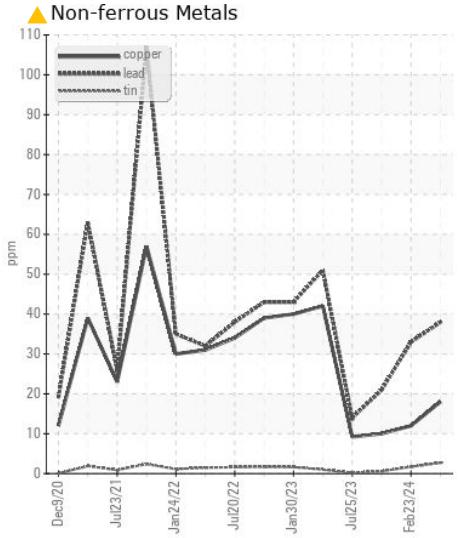
PQ



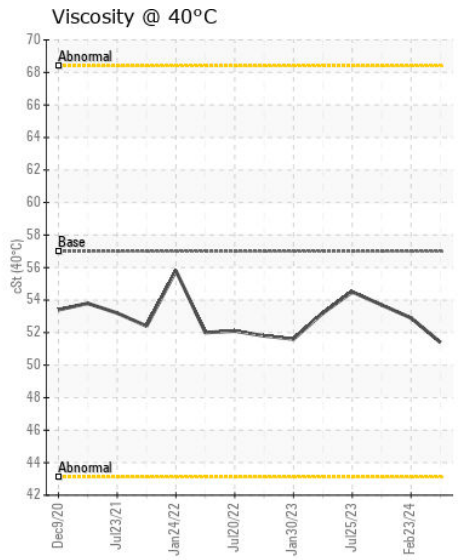
Ferrous Alloys



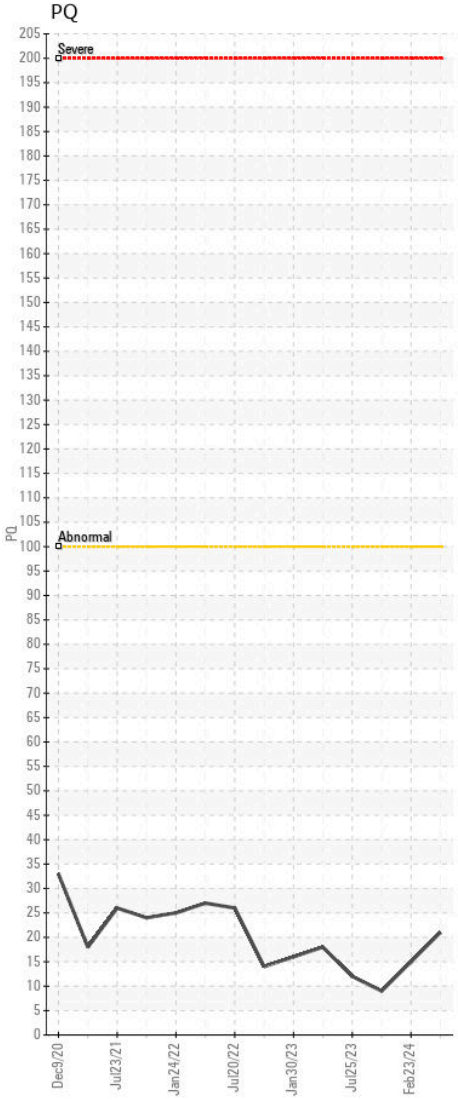
Non-ferrous Metals



Viscosity @ 40°C



PQ



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218357
Lab Number : 06218572
Unique Number : 11096769
Test Package : CONST (Additional Tests: PQ)

Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Sean Felton

JRE - MANASSAS PARK
9107 OWENS DRIVE
MANASSAS PARK, VA
US 20111
Contact: DON VEST
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T: (703)631-8500
F: (703)631-4715

Certificate L2367

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)