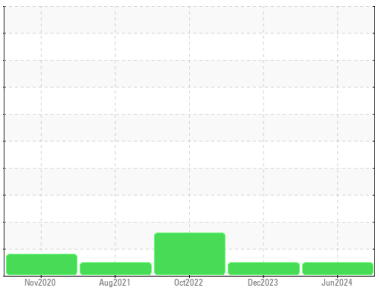
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZALF707698
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**JR0212112**	JR0179902	JR0147443
Sample Date		Client Info		**21 Jun 2024**	06 Dec 2023	21 Oct 2022
Machine Age	hrs	Client Info		**6974**	5987	3975
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	ABNORMAL

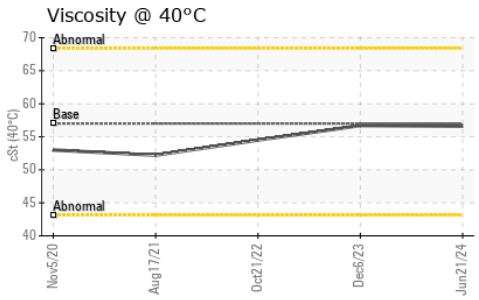
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	**NEG**	NEG	NEG

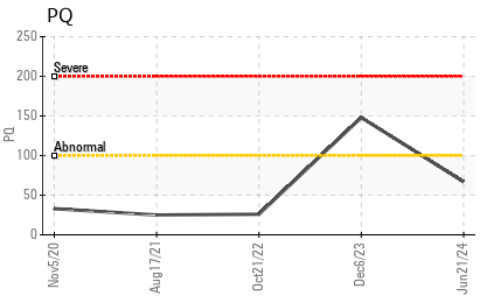
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**67**	148	26
Iron	ppm	ASTM D5185m	>500	**206**	591	185
Chromium	ppm	ASTM D5185m	>10	**1**	4	<1
Nickel	ppm	ASTM D5185m	>10	**2**	3	0
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**2**	2	4
Lead	ppm	ASTM D5185m	>25	**17**	21	▲ 120
Copper	ppm	ASTM D5185m	>100	**20**	23	● 54
Tin	ppm	ASTM D5185m	>10	**0**	<1	3
Antimony	ppm	ASTM D5185m	>5	**---**	---	---
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	**7**	0	1
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**2**	1	1
Manganese	ppm	ASTM D5185m		**2**	5	2
Magnesium	ppm	ASTM D5185m	145	**95**	12	80
Calcium	ppm	ASTM D5185m	3570	**2382**	1137	2957
Phosphorus	ppm	ASTM D5185m	1290	**984**	700	993
Zinc	ppm	ASTM D5185m	1640	**1032**	661	1100
Sulfur	ppm	ASTM D5185m		**3629**	2265	3995

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**6**	18	6
Sodium	ppm	ASTM D5185m		**3**	2	0
Potassium	ppm	ASTM D5185m	>20	**2**	0	2

OIL ANALYSIS REPORT



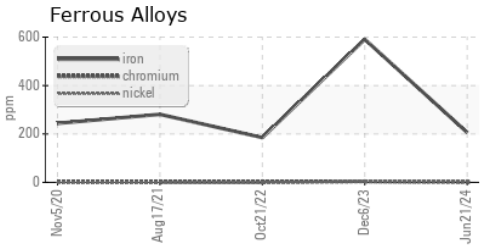


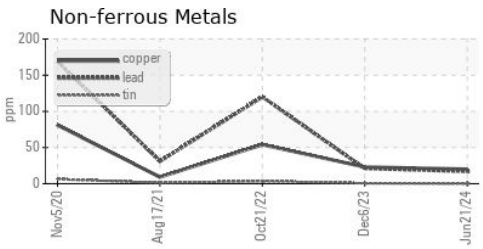
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	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
Free Water	scalar	*Visual		**NEG**	NEG	NEG

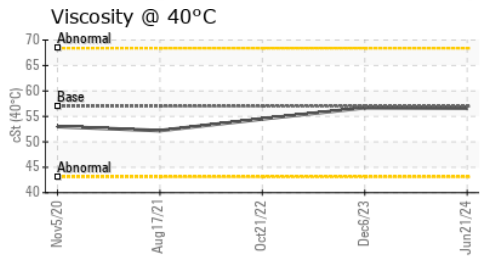
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	**56.6**	56.7	54.5

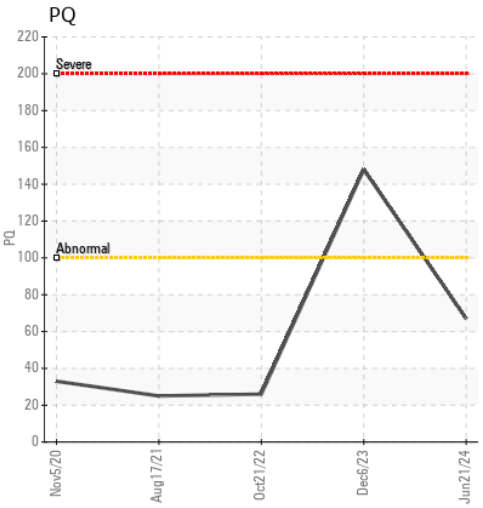
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212112 **Received** : 25 Jun 2024
Lab Number : 06219960 **Tested** : 26 Jun 2024
Unique Number : 11098157 **Diagnosed** : 26 Jun 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 - ASHLAND
11047 LEADBETTER RD
ASHLAND, VA
US 23005
Contact: DAVID ZIEG
dzieg@jamesriverequipment.com
T: (804)798-6001
F: (804)798-0292