



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W62994]
Machine Id
JOHN DEERE 672G 1DW672GXVCE644735
Component
Front Right Wheel Hub
Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W62994)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198947	JRMC445927	JRMC426534
Sample Date		Client Info		11 Jan 2024	19 Jan 2018	02 May 2017
Machine Age	hrs	Client Info		6678	2901	2579
Oil Age	hrs	Client Info		3777	500	0
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		34	105	107
Iron	ppm	ASTM D5185m	>500	65	198	183
Chromium	ppm	ASTM D5185m	>8	<1	3	3
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	<1	2	<1
Lead	ppm	ASTM D5185m	>5	0	<1	0
Copper	ppm	ASTM D5185m	>50	6	18	21
Tin	ppm	ASTM D5185m		0	0	8
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

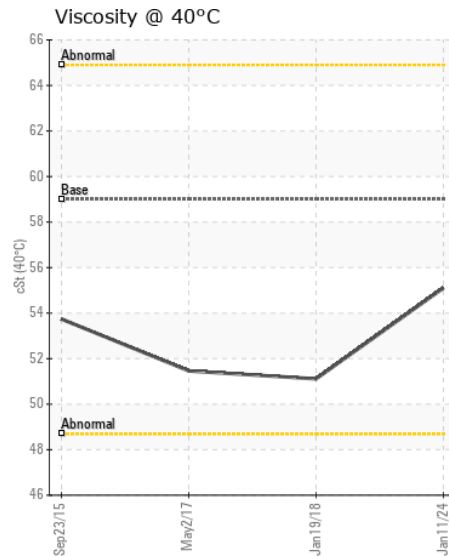
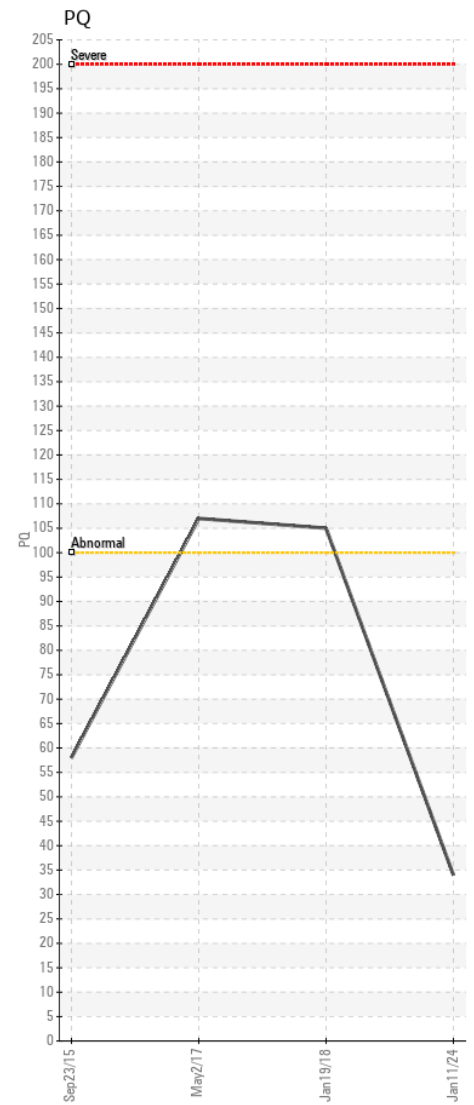
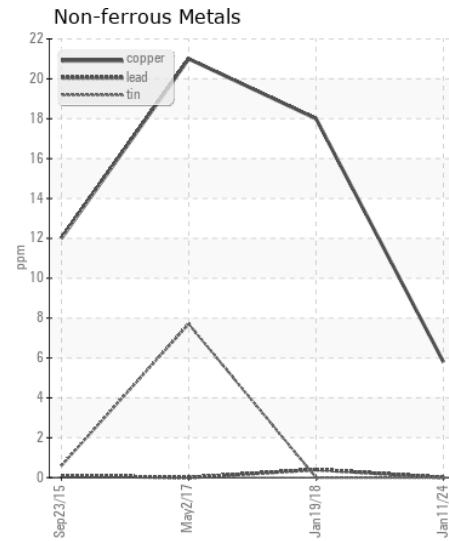
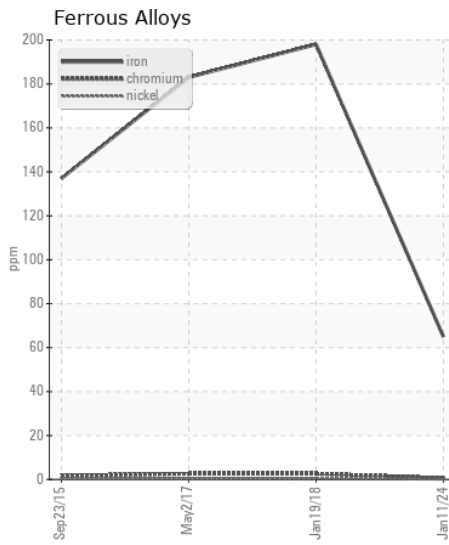
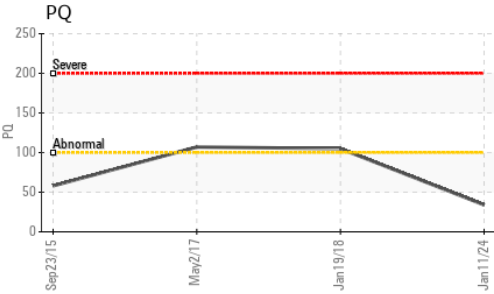
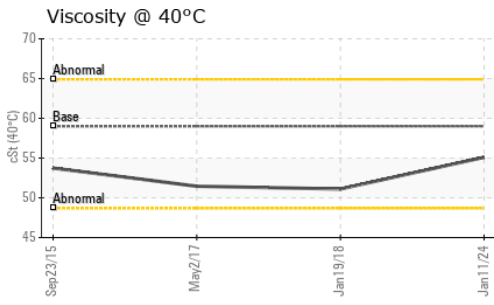
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	8	9	8
Potassium	ppm	ASTM D5185m	>20	0	<1	5
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	5	8
Boron	ppm	ASTM D5185m		4	6	6
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	3	4
Magnesium	ppm	ASTM D5185m		102	103	104
Calcium	ppm	ASTM D5185m		3343	3652	3674
Phosphorus	ppm	ASTM D5185m		1059	1078	1014
Zinc	ppm	ASTM D5185m		1222	1293	1281
Sulfur	ppm	ASTM D5185m		3600	3660	3628
Visc @ 40°C	cSt	ASTM D445	59	55.1	51.11	51.46



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198947 **Received** : 17 Jan 2024
Lab Number : 06063030 **Diagnosed** : 18 Jan 2024
Unique Number : 10834412 **Diagnostician** : Sean Felton
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)

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