



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 544K 1DW544KZVJF690193
Component
Rear Axle
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

All component wear rates are normal.

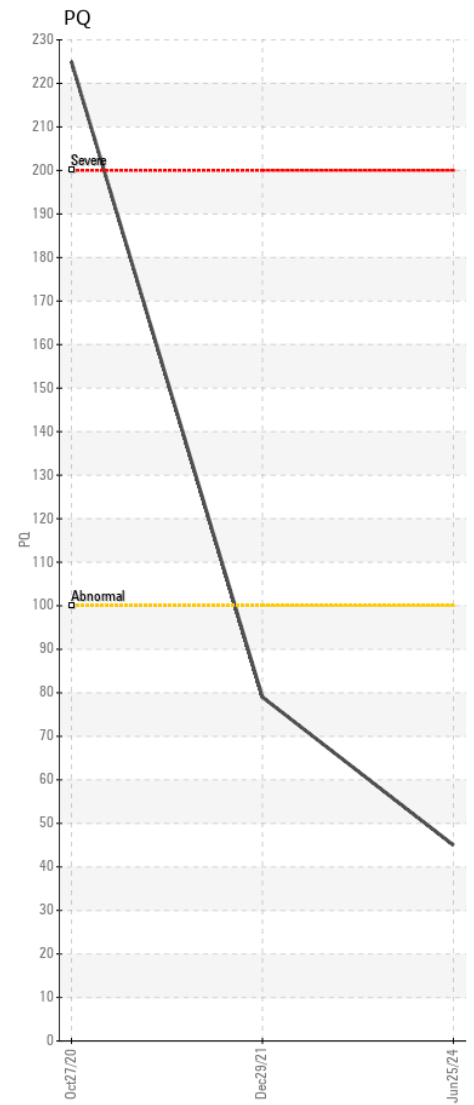
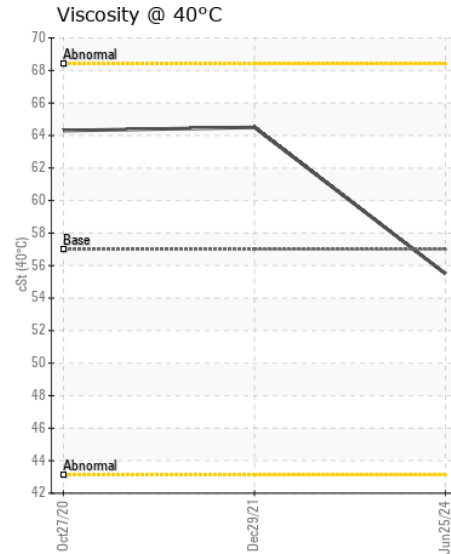
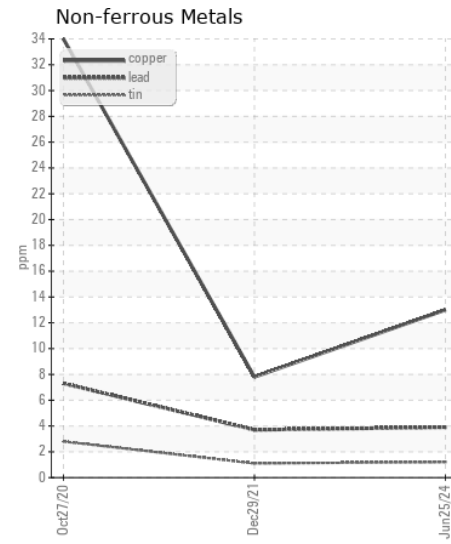
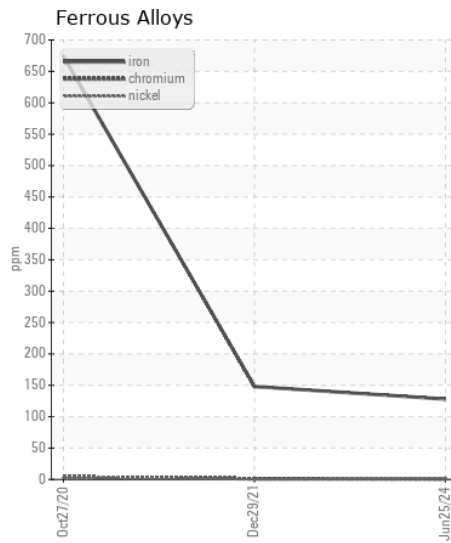
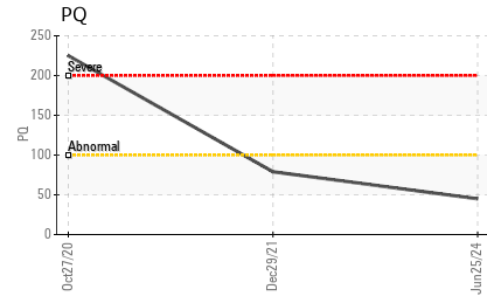
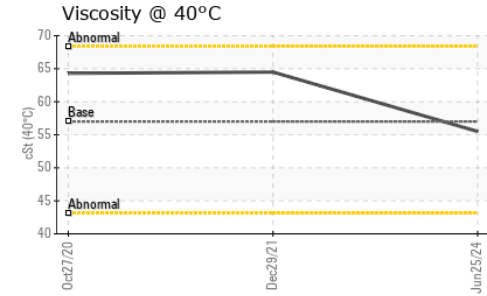
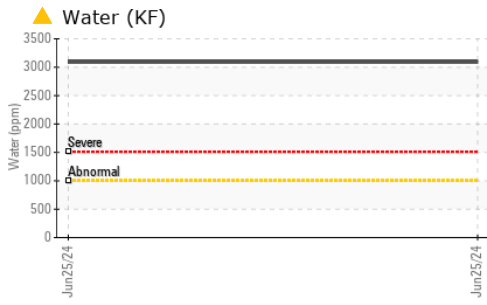
CONTAMINATION

There is a light concentration of water present 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		JR0223103	JR0081448	JRMC402967
Sample Date		Client Info		25 Jun 2024	29 Dec 2021	27 Oct 2020
Machine Age	hrs	Client Info		3957	2247	0
Oil Age	hrs	Client Info		0	600	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184		45	79	225
Iron	ppm	ASTM D5185m	>750	128	148	674
Chromium	ppm	ASTM D5185m	>11	<1	1	4
Nickel	ppm	ASTM D5185m	>10	1	0	3
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	5	26
Lead	ppm	ASTM D5185m	>49	4	4	7
Copper	ppm	ASTM D5185m	>101	13	8	34
Tin	ppm	ASTM D5185m	>10	1	1	3
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	13	17	▲ 48
Potassium	ppm	ASTM D5185m	>20	6	8	5
Water	%	ASTM D6304	>0.1	▲ 0.309	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 3090	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	1	4	20
Boron	ppm	ASTM D5185m	6	8	45	15
Barium	ppm	ASTM D5185m	0	2	0	13
Molybdenum	ppm	ASTM D5185m	0	63	57	18
Manganese	ppm	ASTM D5185m		2	2	12
Magnesium	ppm	ASTM D5185m	145	95	168	96
Calcium	ppm	ASTM D5185m	3570	3354	3172	3470
Phosphorus	ppm	ASTM D5185m	1290	924	946	983
Zinc	ppm	ASTM D5185m	1640	1218	1148	1197
Sulfur	ppm	ASTM D5185m		3644	3334	3223
Visc @ 40°C	cSt	ASTM D445	57.0	55.5	64.5	64.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223103 **Received** : 25 Jun 2024
Lab Number : 06219975 **Tested** : 26 Jun 2024
Unique Number : 11098172 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

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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)