



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 544K 1DW544KZVJF690193
Component
Front 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

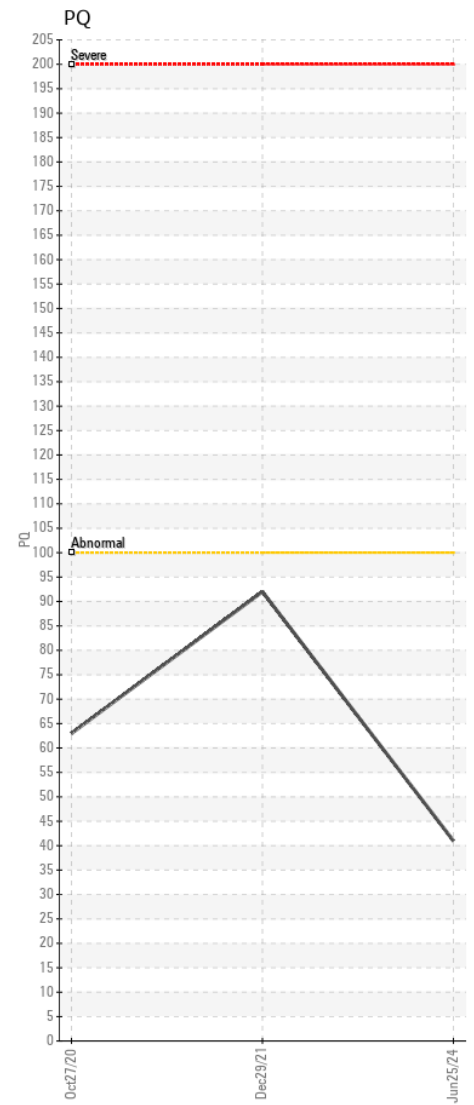
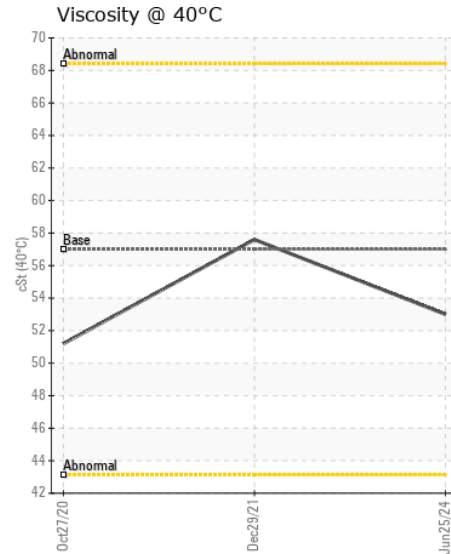
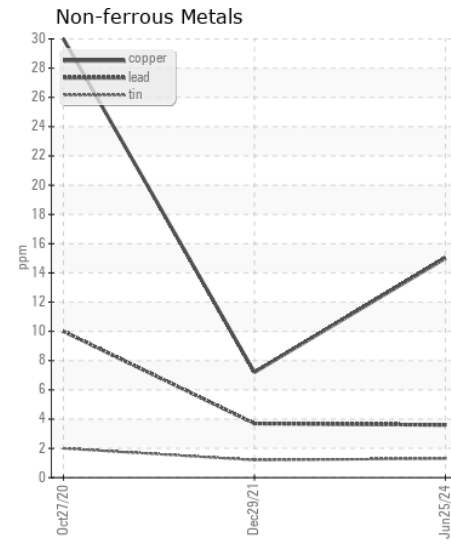
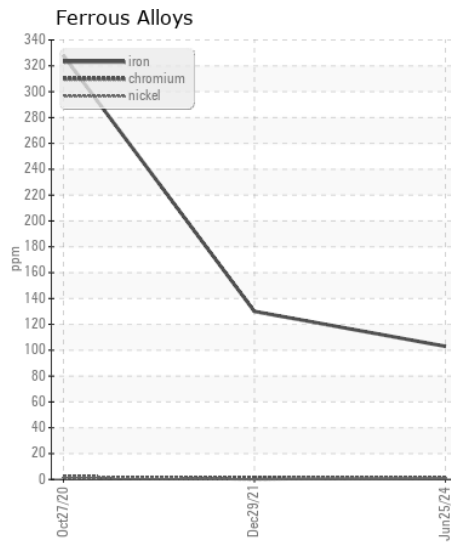
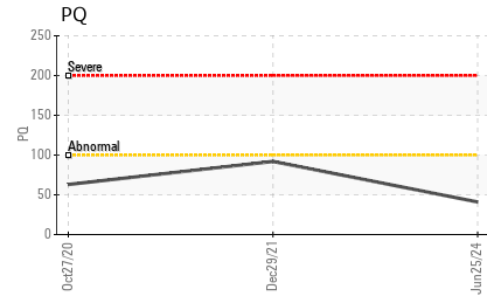
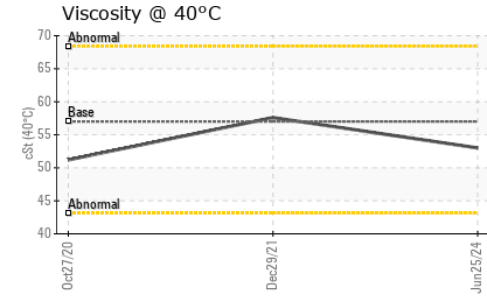
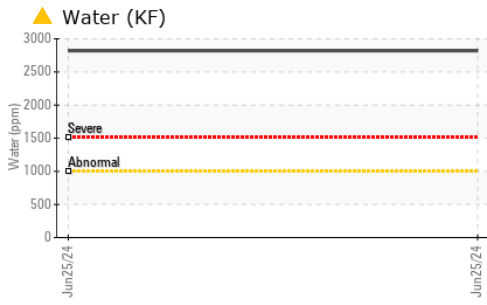
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0223099	JR0081449	JRMC402961
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		41	92	63
Iron	ppm	ASTM D5185m	>750	103	130	328
Chromium	ppm	ASTM D5185m	>11	<1	1	2
Nickel	ppm	ASTM D5185m	>10	1	0	2
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	3	6
Lead	ppm	ASTM D5185m	>49	4	4	10
Copper	ppm	ASTM D5185m	>101	15	7	30
Tin	ppm	ASTM D5185m	>10	1	1	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>31	20	14	14
Potassium	ppm	ASTM D5185m	>20	4	0	4
Water	%	ASTM D6304	>0.1	▲ 0.282	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2820	---	---
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	2	2	11
Boron	ppm	ASTM D5185m	6	7	36	10
Barium	ppm	ASTM D5185m	0	2	0	5
Molybdenum	ppm	ASTM D5185m	0	12	36	3
Manganese	ppm	ASTM D5185m		2	3	7
Magnesium	ppm	ASTM D5185m	145	104	179	75
Calcium	ppm	ASTM D5185m	3570	3383	3227	3348
Phosphorus	ppm	ASTM D5185m	1290	923	954	990
Zinc	ppm	ASTM D5185m	1640	1201	1158	1212
Sulfur	ppm	ASTM D5185m		3596	3229	2976
Visc @ 40°C	cSt	ASTM D445	57.0	53.0	57.6	51.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223099 **Received** : 25 Jun 2024
Lab Number : 06219974 **Tested** : 26 Jun 2024
Unique Number : 11098171 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

JRE - GREENSBORO
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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)