



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700k-607 (S/N 1T0700KXCHF318204)

Component
Left Final Drive

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TLY0002596	TLY0001676	TLY0001293
Sample Date		Client Info		21 Jun 2024	11 Sep 2023	22 Feb 2023
Machine Age	hrs	Client Info		6856	6397	5665
Oil Age	hrs	Client Info		6397	2397	1665
Filter Age	hrs	Client Info		6397	2397	1665
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	415	288	155
Chromium	ppm	ASTM D5185m	>9	4	2	2
Nickel	ppm	ASTM D5185m	>10	2	<1	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	4	3	4
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

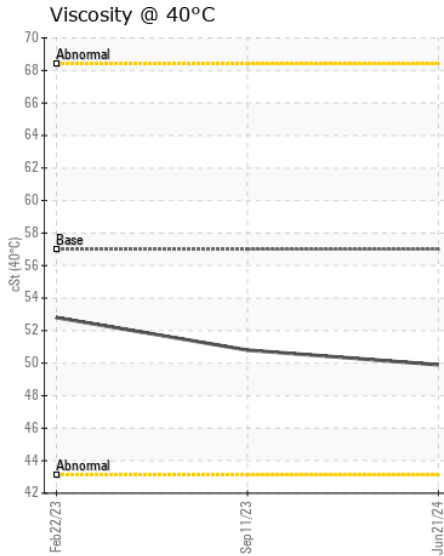
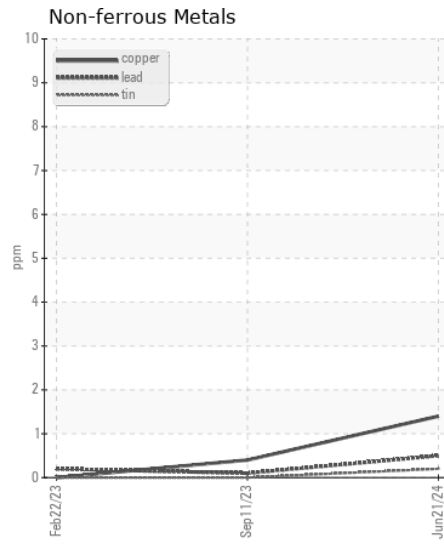
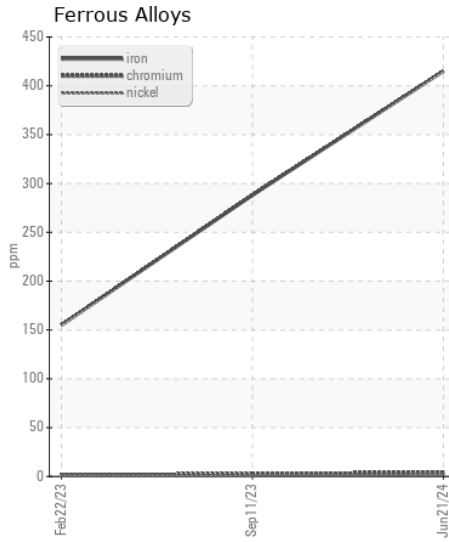
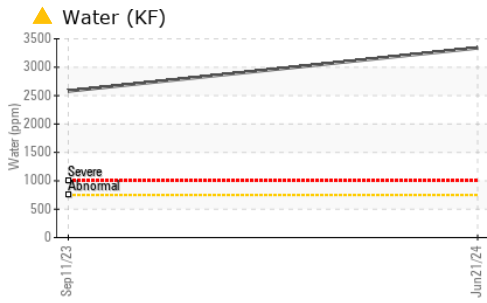
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	28	22	17
Potassium	ppm	ASTM D5185m	>20	6	2	2
Water	%	ASTM D6304	>0.075	▲ 0.334	▲ 0.258	---
ppm Water	ppm	ASTM D6304	>750	▲ 3340	▲ 2580	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.075	0.2%	0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	3	4
Boron	ppm	ASTM D5185m	6	13	6	8
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	4	2	2
Manganese	ppm	ASTM D5185m		6	4	4
Magnesium	ppm	ASTM D5185m	145	77	79	87
Calcium	ppm	ASTM D5185m	3570	3143	3016	3279
Phosphorus	ppm	ASTM D5185m	1290	987	977	935
Zinc	ppm	ASTM D5185m	1640	1197	1160	1193
Sulfur	ppm	ASTM D5185m		4742	3344	3600



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLY0002596 **Received** : 26 Jun 2024
Lab Number : 06221893 **Tested** : 28 Jun 2024
Unique Number : 11100090 **Diagnosed** : 29 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

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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