



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont [RO# 151959]
Machine Id
JOHN DEERE 750K 1T0750KXKKF355243
Component
Right Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051024	LEC0044947	LEC0036729
Sample Date		Client Info		12 Jun 2024	30 Nov 2023	14 Nov 2022
Machine Age	hrs	Client Info		3269	2725	2083
Oil Age	hrs	Client Info		544	642	1146
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	None
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	336	54	312
Iron	ppm	ASTM D5185m	>750	379	185	724
Chromium	ppm	ASTM D5185m	>9	2	<1	4
Nickel	ppm	ASTM D5185m	>10	3	<1	6
Titanium	ppm	ASTM D5185m		2	1	7
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	14	23	107
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	1	0	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

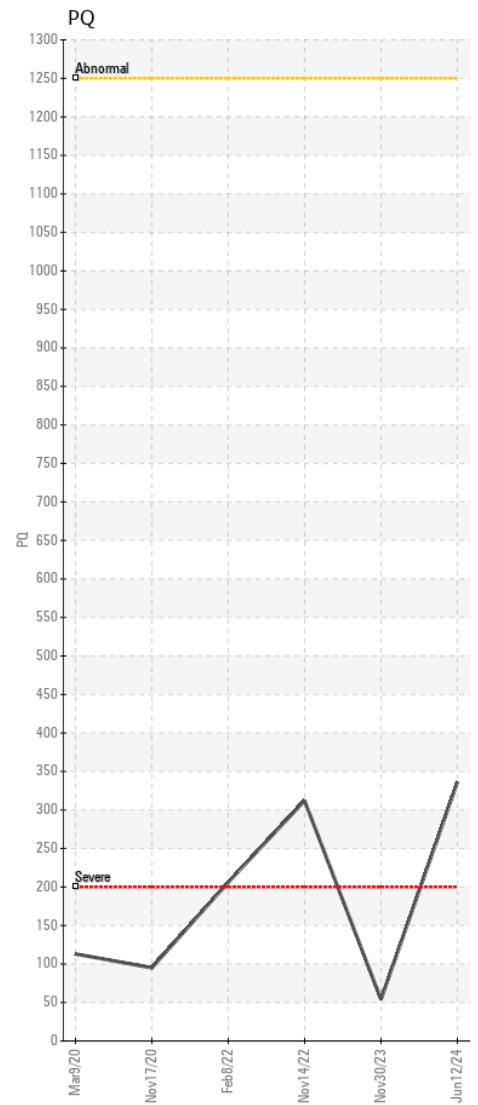
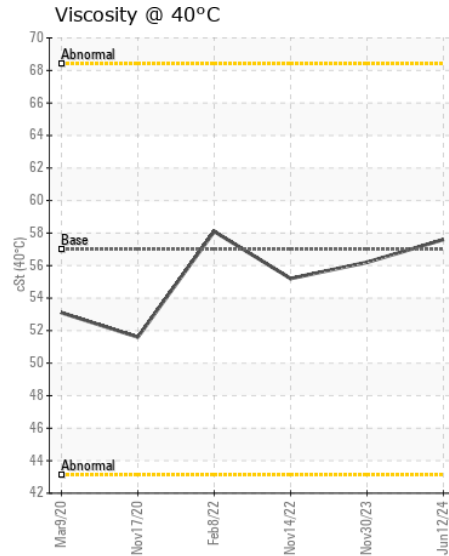
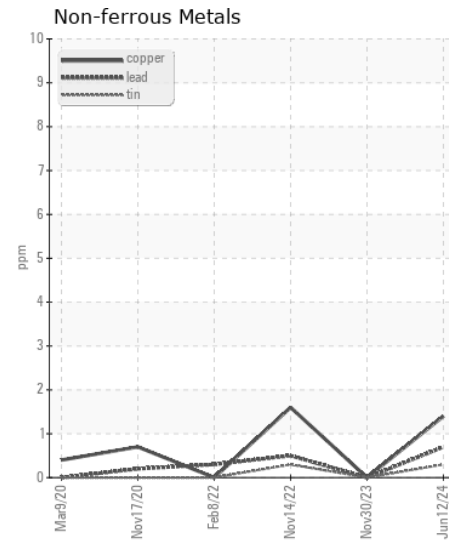
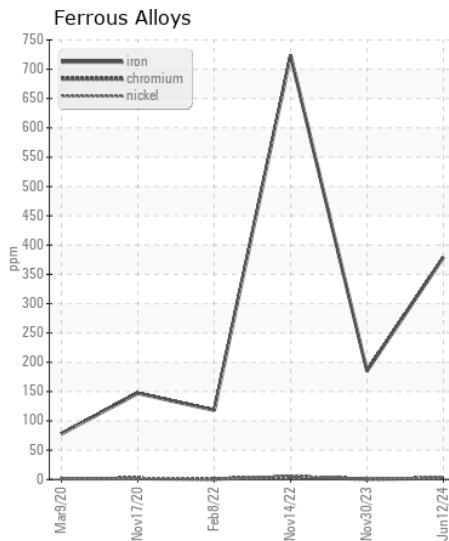
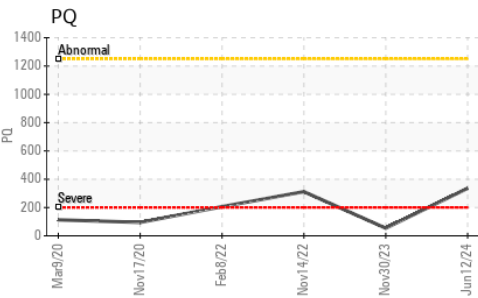
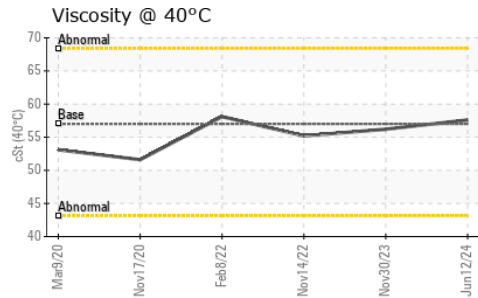
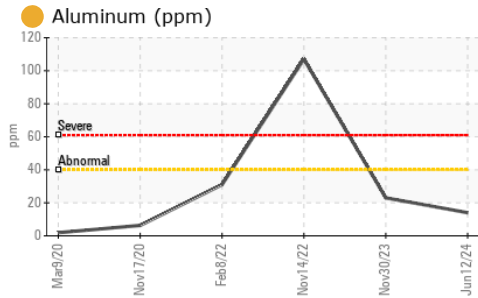
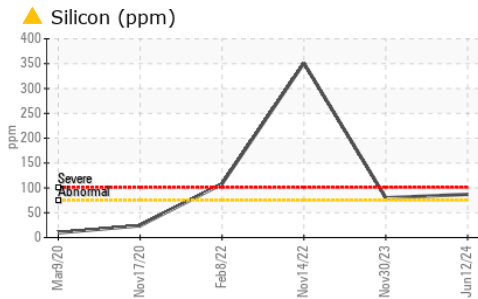
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	87	80	351
Potassium	ppm	ASTM D5185m	>20	6	5	32
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	6
Boron	ppm	ASTM D5185m	6	16	6	24
Barium	ppm	ASTM D5185m	0	1	0	<1
Molybdenum	ppm	ASTM D5185m	0	13	5	19
Manganese	ppm	ASTM D5185m		4	2	8
Magnesium	ppm	ASTM D5185m	145	133	117	164
Calcium	ppm	ASTM D5185m	3570	3372	3299	3438
Phosphorus	ppm	ASTM D5185m	1290	1027	910	1005
Zinc	ppm	ASTM D5185m	1640	1239	1218	1178
Sulfur	ppm	ASTM D5185m		3520	3370	4149
Visc @ 40°C	cSt	ASTM D445	57.0	57.6	56.2	55.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051024 **Received** : 24 Jun 2024
Lab Number : 06218542 **Tested** : 25 Jun 2024
Unique Number : 11096739 **Diagnosed** : 26 Jun 2024 - 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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