



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area **Store 5 - Cross Lanes [RO#152318]**

Machine Id **SKYTRAC 8042 0160098598**

Component **Rear Left Planetary**

Fluid **JOHN DEERE HY-GARD HYD/TRANS (2 QTS)**

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		LEC0051158	LEC0036888	LEC0024393
Sample Date		Client Info		24 Jun 2024	29 Nov 2022	09 Nov 2021
Machine Age	hrs	Client Info		1218	883	502
Oil Age	hrs	Client Info		335	381	502
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The copper level has decreased, but is still abnormal. All other component wear rates are normal.

PQ		ASTM D8184		25	28	216
Iron	ppm	ASTM D5185m	>500	36	73	179
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	1	2
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>75	▲ 174	▲ 374	▲ 280
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	MODER	NONE

CONTAMINATION

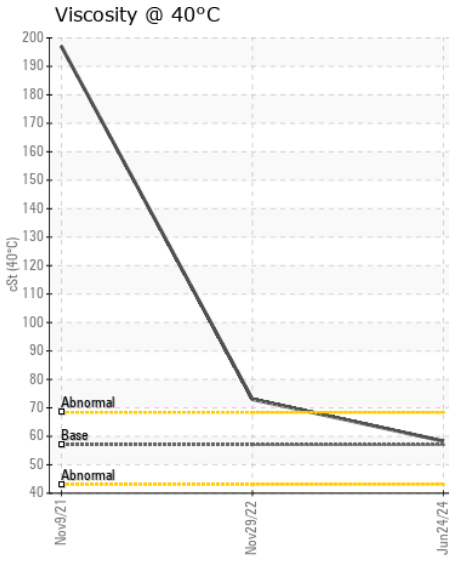
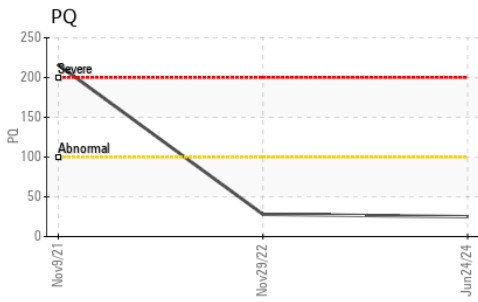
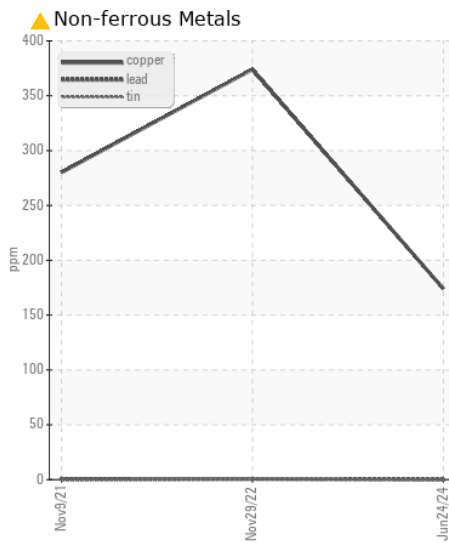
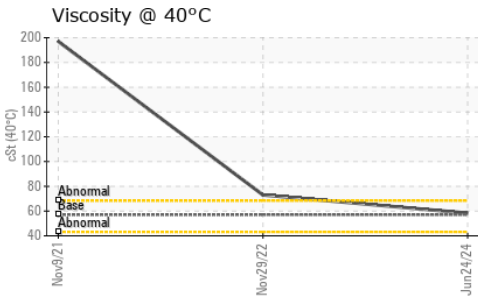
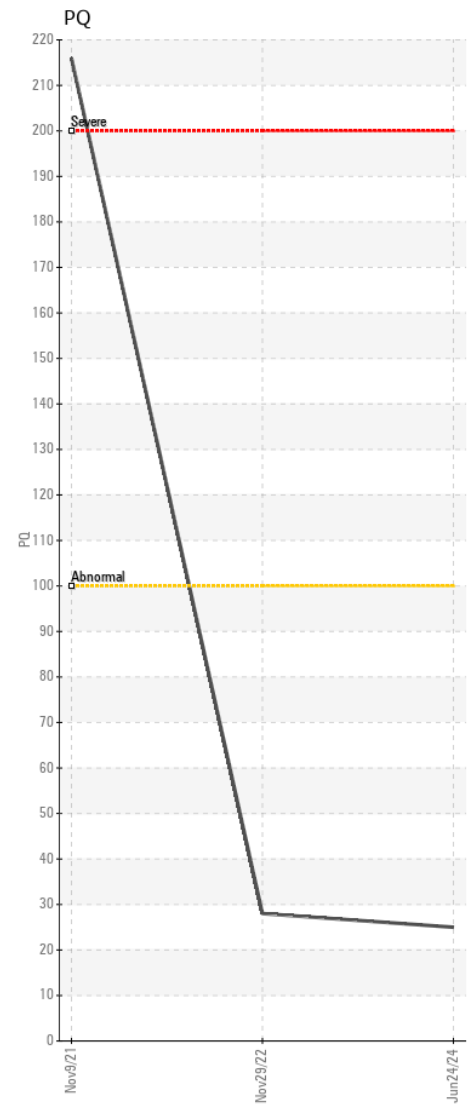
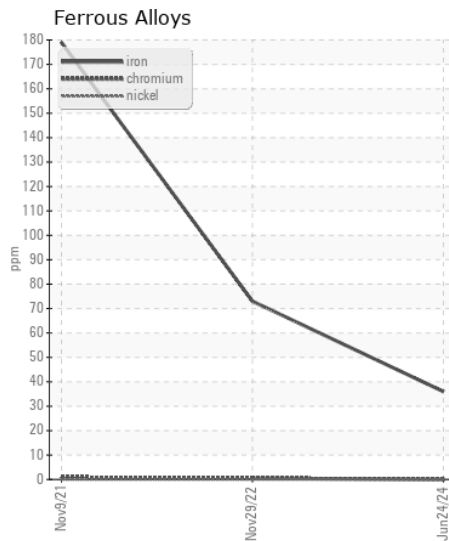
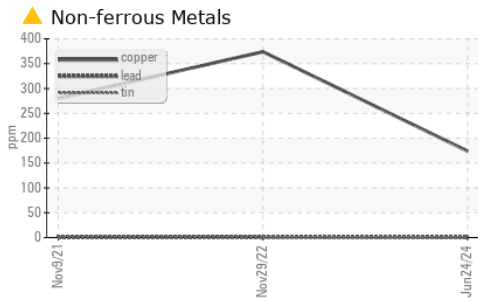
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	14	27
Potassium	ppm	ASTM D5185m	>20	0	0	1
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		1	1	0
Boron	ppm	ASTM D5185m	6	6	4	3
Barium	ppm	ASTM D5185m	0	0	<1	4
Molybdenum	ppm	ASTM D5185m	0	<1	3	<1
Manganese	ppm	ASTM D5185m		<1	2	6
Magnesium	ppm	ASTM D5185m	145	109	68	9
Calcium	ppm	ASTM D5185m	3570	3257	2604	251
Phosphorus	ppm	ASTM D5185m	1290	1076	1199	2183
Zinc	ppm	ASTM D5185m	1640	1259	1098	207
Sulfur	ppm	ASTM D5185m		5507	11572	29341
Visc @ 40°C	cSt	ASTM D445	57.0	58.3	73.0	197



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051158 **Received** : 03 Jul 2024
Lab Number : 06227828 **Tested** : 05 Jul 2024
Unique Number : 11111321 **Diagnosed** : 07 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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)