



OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>

Area  
**Store 3 - Norton**

Machine Id  
**JOHN DEERE 700K LGP SB6 (S/N DE240882)**

Component  
**Right Final Drive**  
Fluid  
**GEAR OIL SAE 90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0049275</b>	LEC0039951	LEC0015612
Sample Date		Client Info		<b>31 May 2024</b>	14 Feb 2023	27 Aug 2020
Machine Age	hrs	Client Info		<b>2047</b>	1574	1193
Oil Age	hrs	Client Info		<b>500</b>	500	1193
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>108</b>	121	92
Iron	ppm	ASTM D5185m	>500	<b>241</b>	216	170
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>16</b>	14	10
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

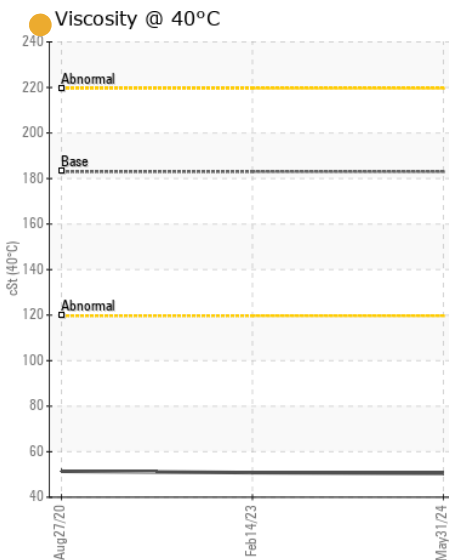
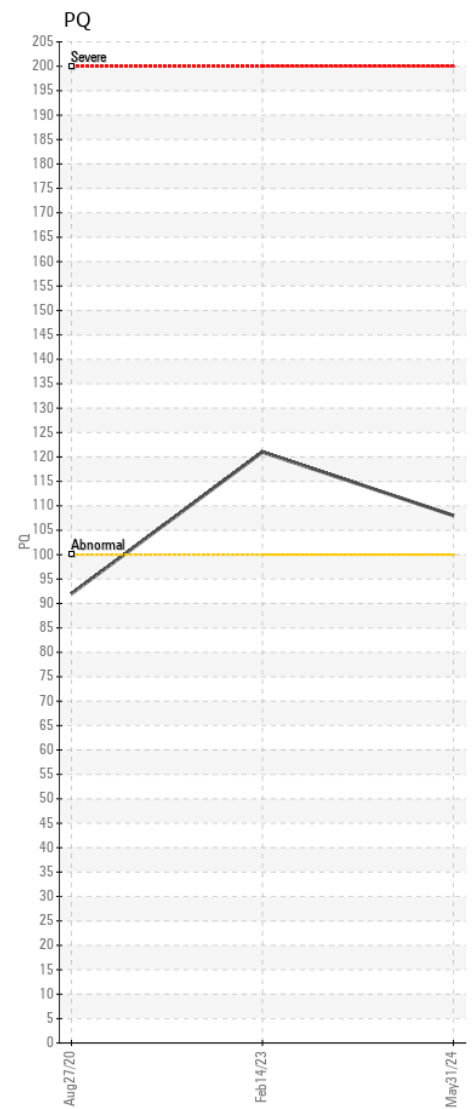
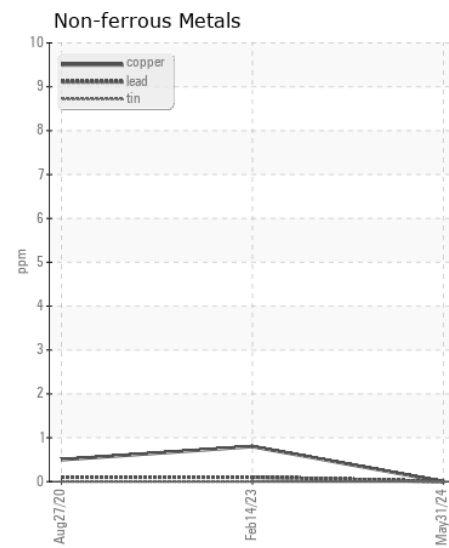
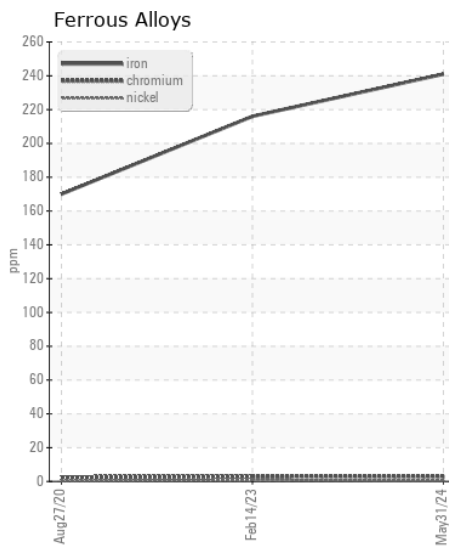
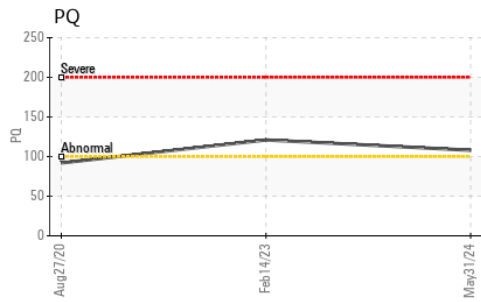
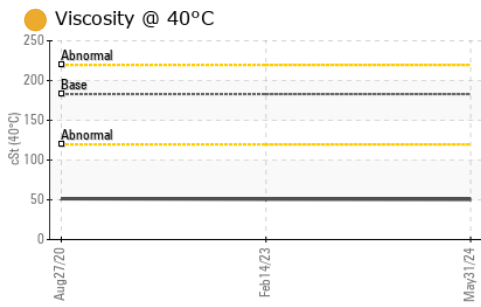
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>60</b>	49	50
Potassium	ppm	ASTM D5185m	>20	<b>16</b>	19	16
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>6</b>	0	4
Boron	ppm	ASTM D5185m	400	<b>4</b>	4	7
Barium	ppm	ASTM D5185m	200	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	2	1
Manganese	ppm	ASTM D5185m		<b>6</b>	5	4
Magnesium	ppm	ASTM D5185m	12	<b>103</b>	99	98
Calcium	ppm	ASTM D5185m	150	<b>3655</b>	3757	3541
Phosphorus	ppm	ASTM D5185m	1650	<b>1126</b>	1052	1024
Zinc	ppm	ASTM D5185m	125	<b>1318</b>	1285	1240
Sulfur	ppm	ASTM D5185m	22500	<b>4548</b>	4086	3302
Visc @ 40°C	cSt	ASTM D445	183	<b>50.4</b>	50.8	51.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0049275 **Received** : 03 Jul 2024  
**Lab Number** : 06227708 **Tested** : 05 Jul 2024  
**Unique Number** : 11111201 **Diagnosed** : 06 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LANE PIPELINE**  
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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)