



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
Store 3 - Norton

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

Component
Left 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		LEC0049274	LEC0039950	LEC0015611
Sample Date		Client Info		31 May 2024	14 Feb 2023	27 Aug 2020
Machine Age	hrs	Client Info		2047	1574	1193
Oil Age	hrs	Client Info		500	500	1193
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		112	104	245
Iron	ppm	ASTM D5185m	>500	248	214	322
Chromium	ppm	ASTM D5185m	>10	3	3	4
Nickel	ppm	ASTM D5185m	>10	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	18	14	44
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

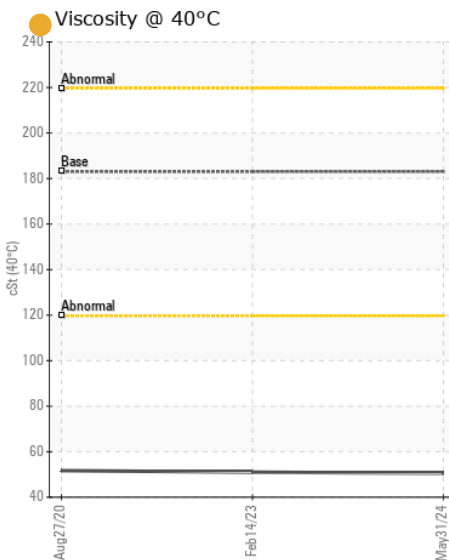
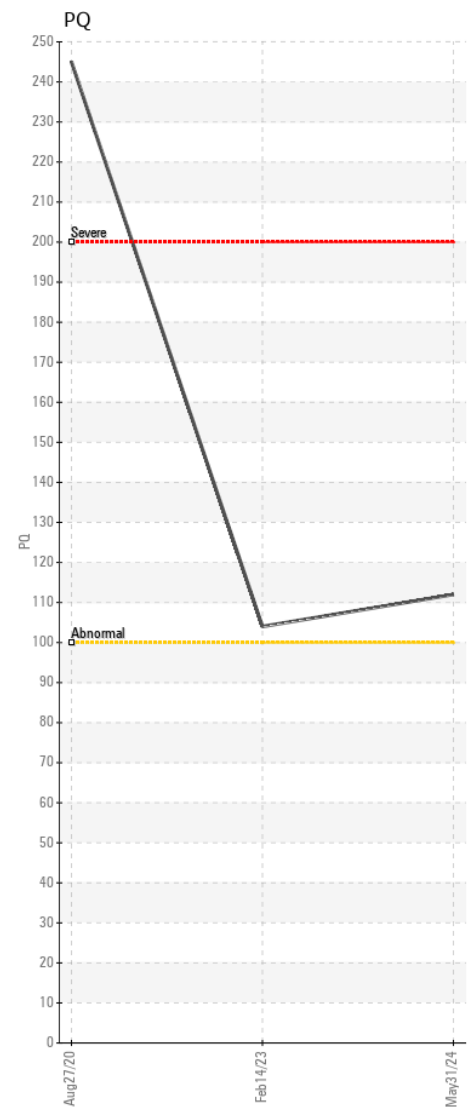
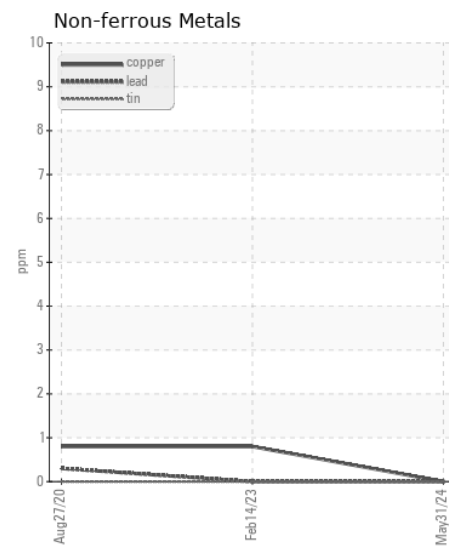
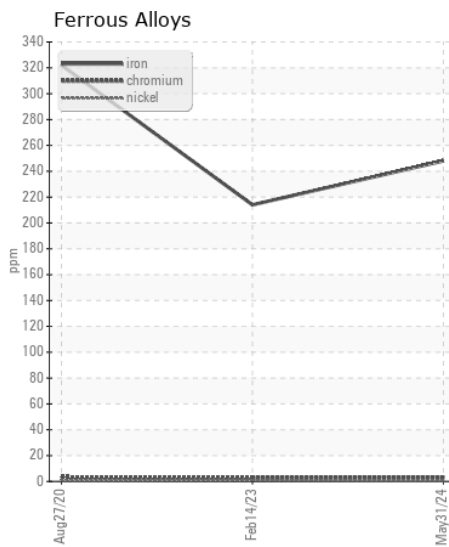
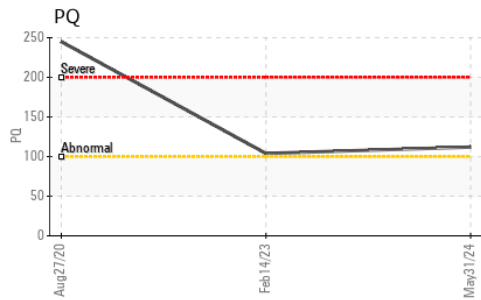
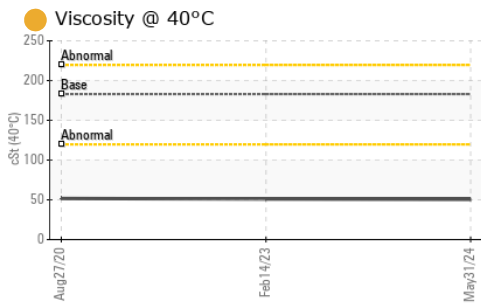
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	66	51	172
Potassium	ppm	ASTM D5185m	>20	16	18	28
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	VLITE	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 oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		6	0	7
Boron	ppm	ASTM D5185m	400	5	5	10
Barium	ppm	ASTM D5185m	200	0	2	0
Molybdenum	ppm	ASTM D5185m	12	<1	2	3
Manganese	ppm	ASTM D5185m		6	5	6
Magnesium	ppm	ASTM D5185m	12	104	95	105
Calcium	ppm	ASTM D5185m	150	3623	3691	3501
Phosphorus	ppm	ASTM D5185m	1650	1104	1051	1013
Zinc	ppm	ASTM D5185m	125	1294	1258	1227
Sulfur	ppm	ASTM D5185m	22500	4599	3883	3255
Visc @ 40°C	cSt	ASTM D445	183	50.5	51.0	51.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049274 **Received** : 03 Jul 2024
Lab Number : 06227733 **Tested** : 05 Jul 2024
Unique Number : 11111226 **Diagnosed** : 06 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)