



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta [RO#151218]
Machine Id
JOHN DEERE 1050K SB 1T01050PJF333070
Component
Left Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050004	LEC0041511	LECP192374
Sample Date		Client Info		24 Jun 2024	21 Jun 2023	30 Dec 2018
Machine Age	hrs	Client Info		1029	488	458
Oil Age	hrs	Client Info		1029	488	458
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	34	46	58
Iron	ppm	ASTM D5185m	>750	37	35	35
Chromium	ppm	ASTM D5185m	>9	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	<1	0
Lead	ppm	ASTM D5185m	>15	2	2	<1
Copper	ppm	ASTM D5185m	>40	5	4	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

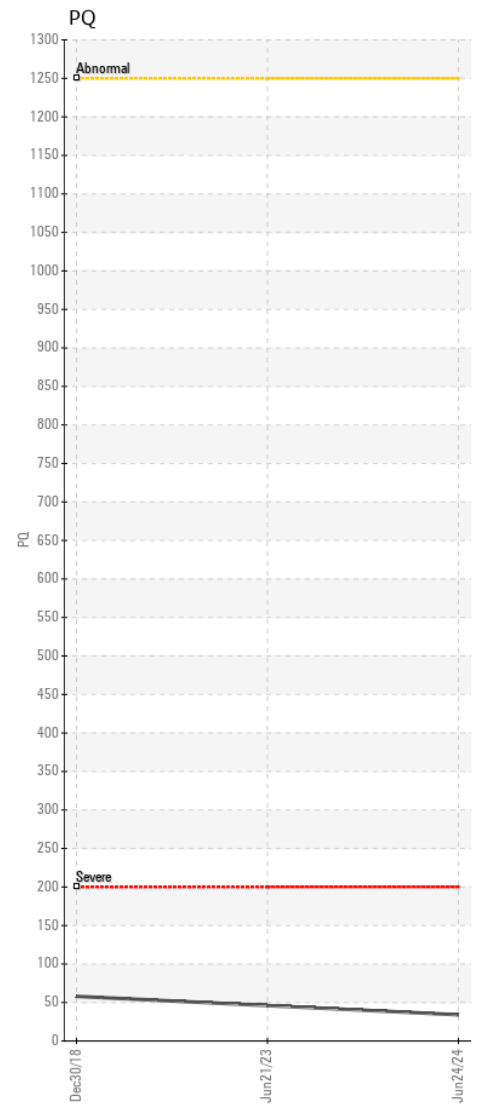
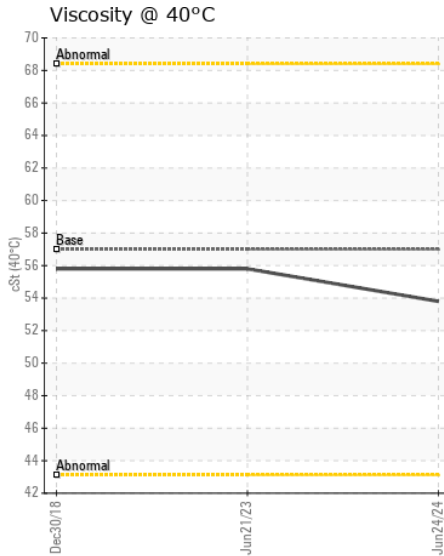
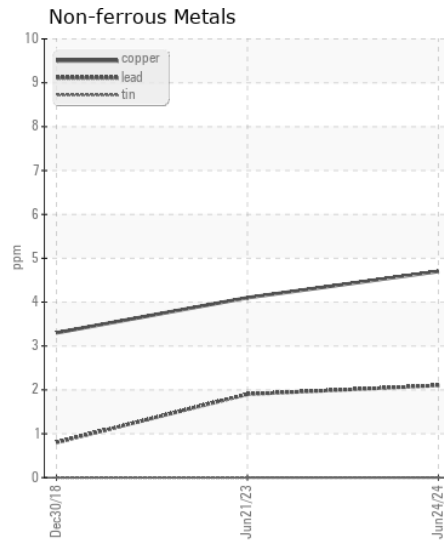
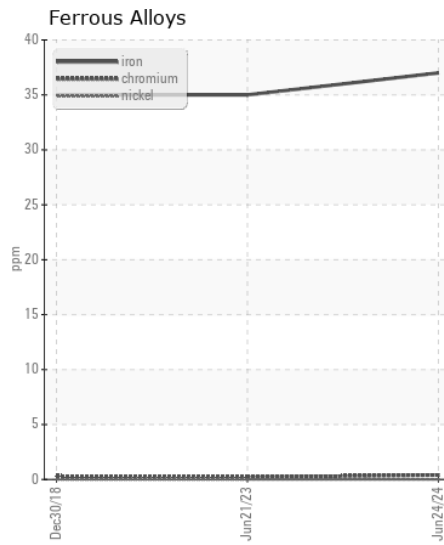
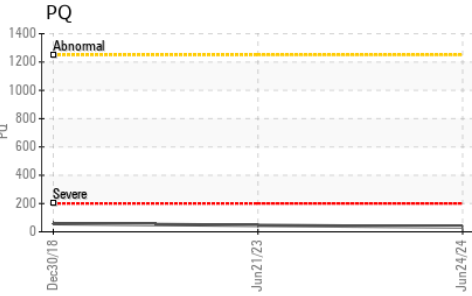
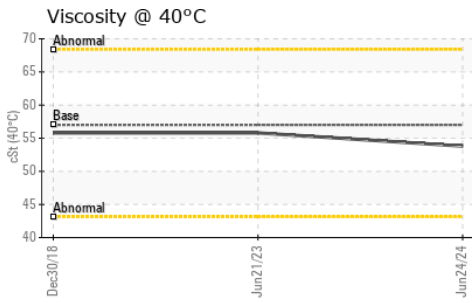
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	14	13	12
Potassium	ppm	ASTM D5185m	>20	21	23	17
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	11	3	3
Boron	ppm	ASTM D5185m	6	0	2	3
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	145	102	102	99
Calcium	ppm	ASTM D5185m	3570	3702	3720	3644
Phosphorus	ppm	ASTM D5185m	1290	1067	1079	948
Zinc	ppm	ASTM D5185m	1640	1230	1300	1282
Sulfur	ppm	ASTM D5185m		3938	4323	3112
Visc @ 40°C	cSt	ASTM D445	57.0	53.8	55.8	55.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050004 **Received** : 05 Jul 2024
Lab Number : 06228954 **Tested** : 08 Jul 2024
Unique Number : 11112447 **Diagnosed** : 08 Jul 2024 - Wes Davis
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)