



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 5 - Cross Lanes [RO#139957]
Machine Id
JOHN DEERE 1050K 1T01050PAHF323007
Component
Transmission
Fluid
JOHN DEERE HYDRAU (39 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041538	LECP187453	---
Sample Date		Client Info		20 Jun 2023	29 Nov 2018	---
Machine Age	hrs	Client Info		965	947	---
Oil Age	hrs	Client Info		965	947	---
Filter Age	hrs	Client Info		965	947	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	17	15	---
Iron	ppm	ASTM D5185m	>61	20	16	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m		<1	1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	0	<1	---
Lead	ppm	ASTM D5185m	>9	2	0	---
Copper	ppm	ASTM D5185m	>100	12	5	---
Tin	ppm	ASTM D5185m	>3	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

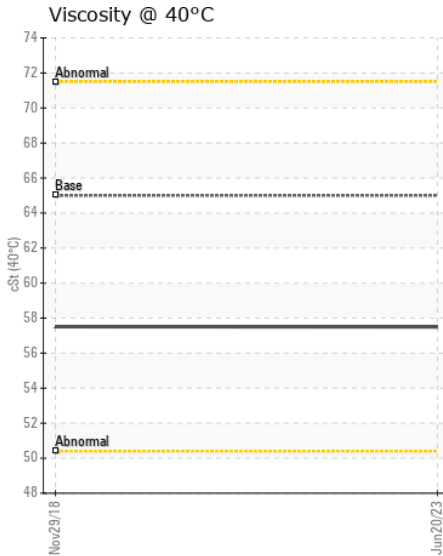
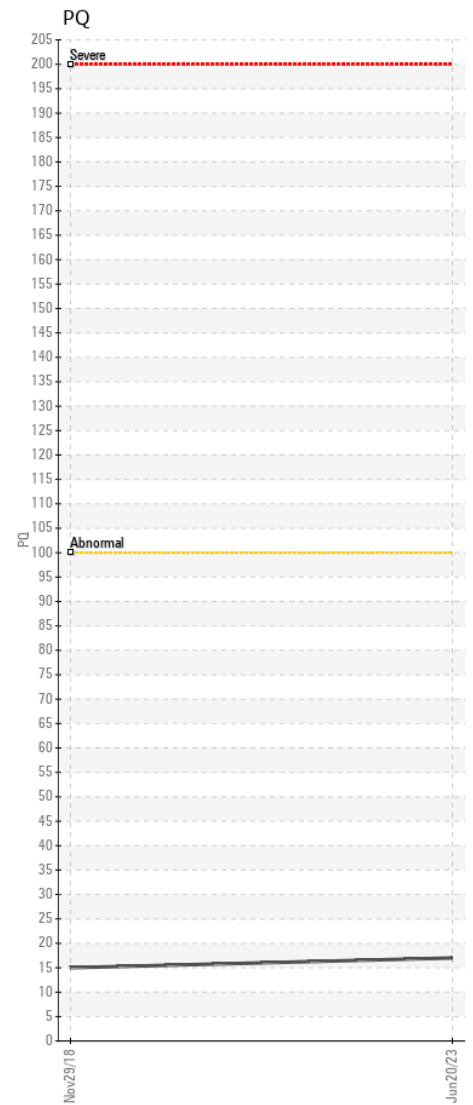
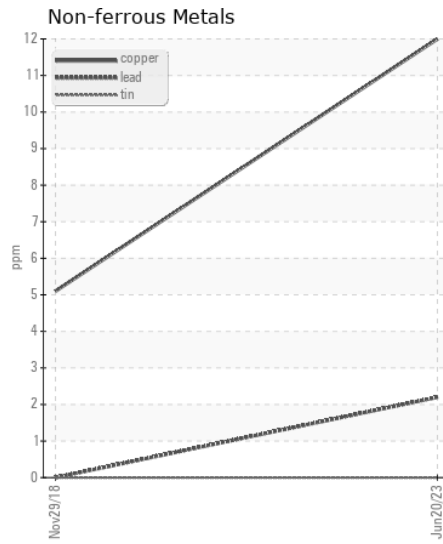
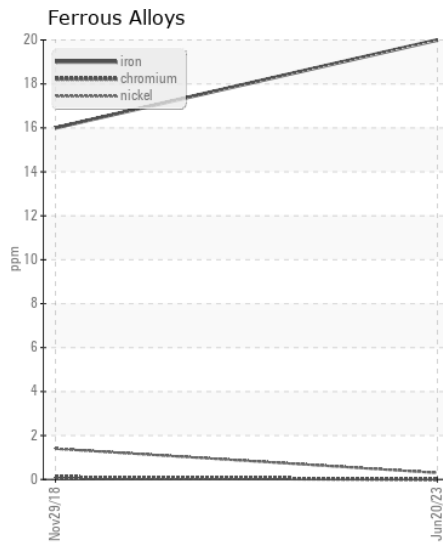
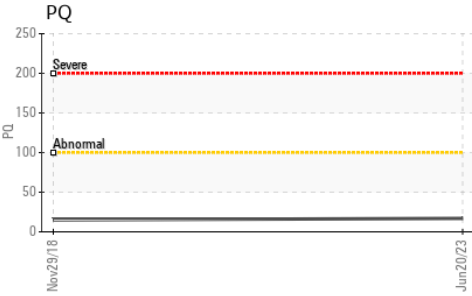
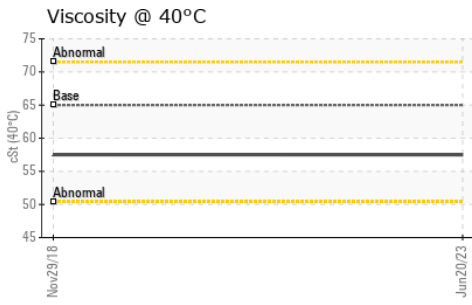
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	<1	2	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	0	<1	---
Boron	ppm	ASTM D5185m		0	<1	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		<1	2	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		2	1	---
Calcium	ppm	ASTM D5185m	87	87	78	---
Phosphorus	ppm	ASTM D5185m	727	629	606	---
Zinc	ppm	ASTM D5185m	900	860	759	---
Sulfur	ppm	ASTM D5185m	1500	1880	1314	---
Visc @ 40°C	cSt	ASTM D445	65	57.5	57.51	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041538 **Received** : 23 Jun 2023
Lab Number : 05882223 **Tested** : 26 Jun 2023
Unique Number : 10532706 **Diagnosed** : 27 Jun 2023 - Angela Borella
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)