



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 151959]
Machine Id
JOHN DEERE 750K 1T0750KXKKF355243
Component
Left Outer 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		LEC0051025	LEC0044945	LEC0036727
Sample Date		Client Info		12 Jun 2024	30 Nov 2023	14 Nov 2022
Machine Age	hrs	Client Info		3269	2725	2083
Oil Age	hrs	Client Info		544	642	1146
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	None
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	162	70	280
Iron	ppm	ASTM D5185m	>750	189	134	520
Chromium	ppm	ASTM D5185m	>9	2	<1	3
Nickel	ppm	ASTM D5185m	>10	3	<1	4
Titanium	ppm	ASTM D5185m		2	<1	5
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	9	9	59
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	1	0	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

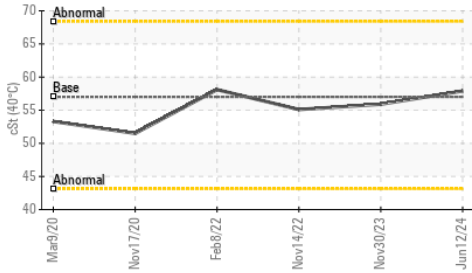
Silicon	ppm	ASTM D5185m	>75	49	40	204
Potassium	ppm	ASTM D5185m	>20	4	<1	16
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	0.2%	NEG

FLUID CONDITION

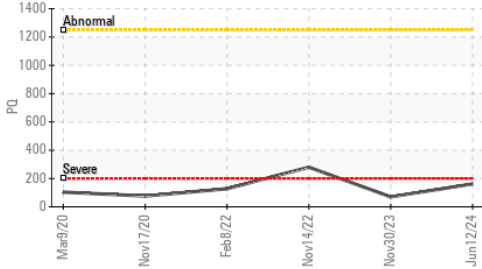
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	<1	4
Boron	ppm	ASTM D5185m	6	16	6	23
Barium	ppm	ASTM D5185m	0	1	0	<1
Molybdenum	ppm	ASTM D5185m	0	13	5	19
Manganese	ppm	ASTM D5185m		2	<1	5
Magnesium	ppm	ASTM D5185m	145	133	120	159
Calcium	ppm	ASTM D5185m	3570	3355	3259	3435
Phosphorus	ppm	ASTM D5185m	1290	1018	922	1002
Zinc	ppm	ASTM D5185m	1640	1224	1220	1175
Sulfur	ppm	ASTM D5185m		3508	3388	4169
Visc @ 40°C	cSt	ASTM D445	57.0	57.9	55.9	55.1

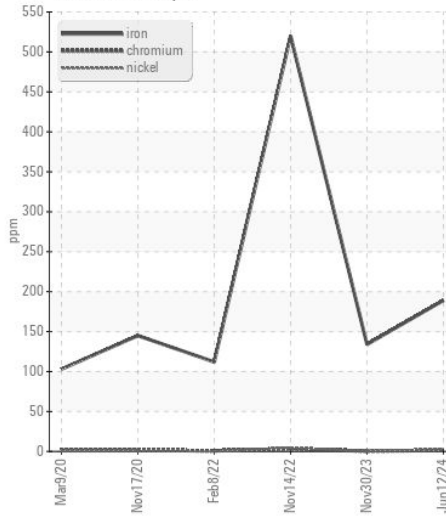
Viscosity @ 40°C



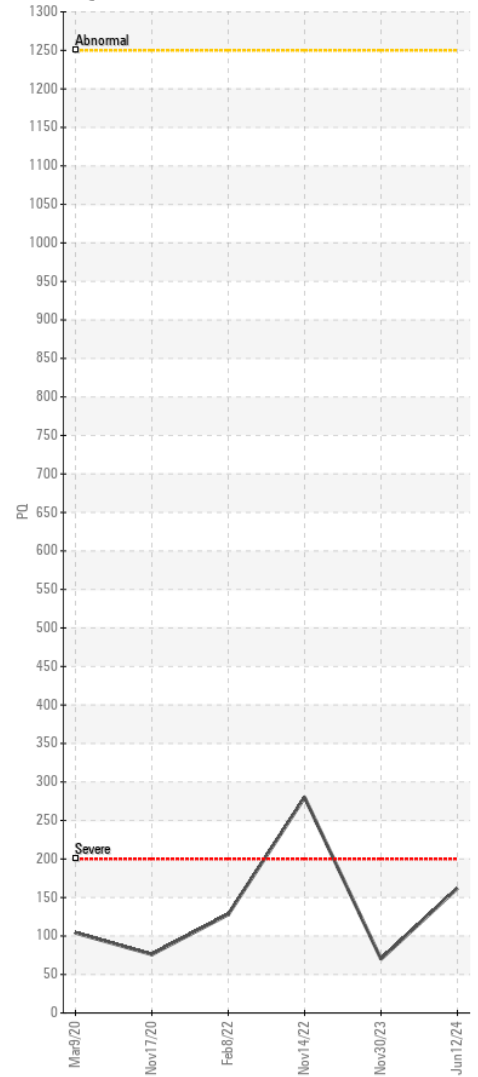
PQ



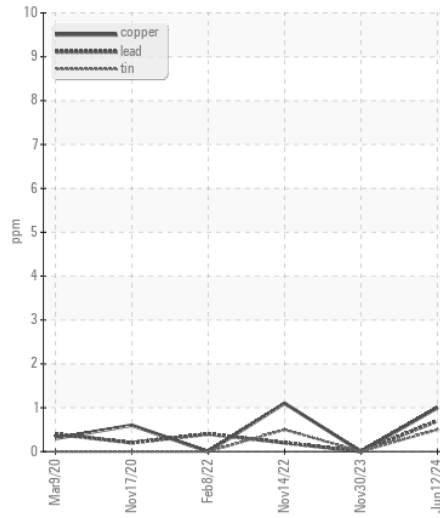
Ferrous Alloys



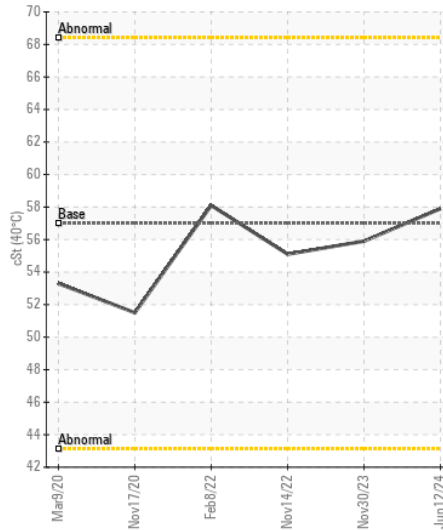
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051025 **Received** : 24 Jun 2024
Lab Number : 06218539 **Tested** : 25 Jun 2024
Unique Number : 11096736 **Diagnosed** : 25 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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)

T:
 F: (740)373-5570