



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area

Store 3 - Norton

Machine Id

JOHN DEERE 750K D14 (S/N 1T0750KXCJF329221)

Component

Front Right Final Drive

Fluid

GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

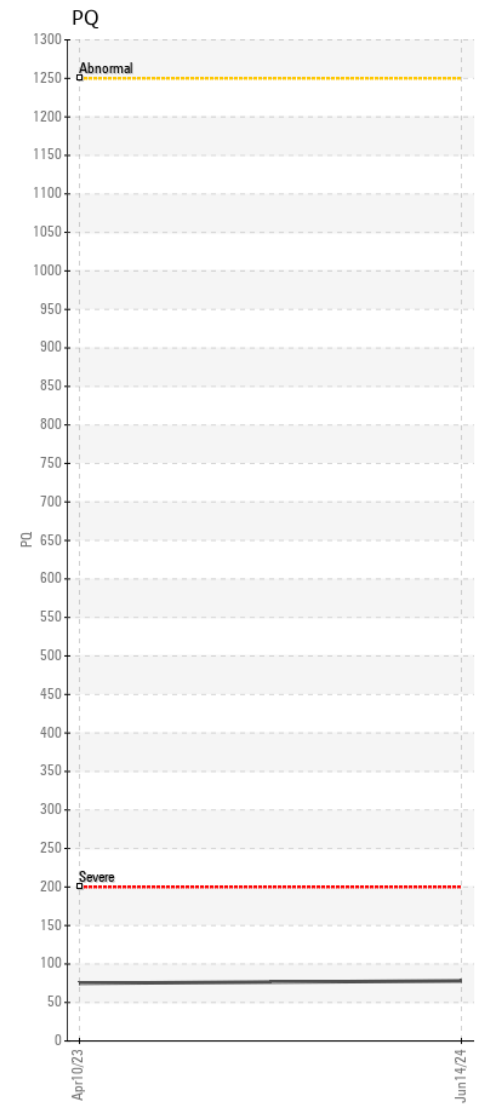
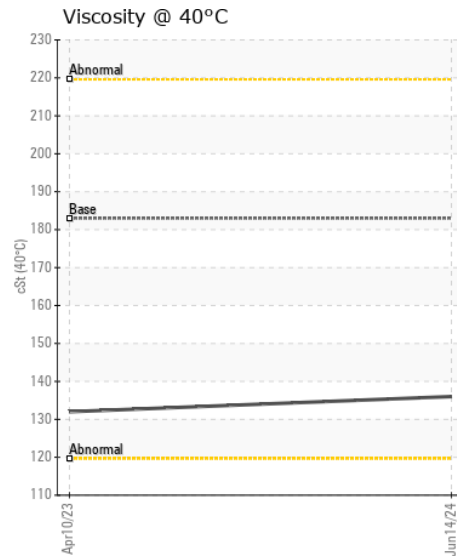
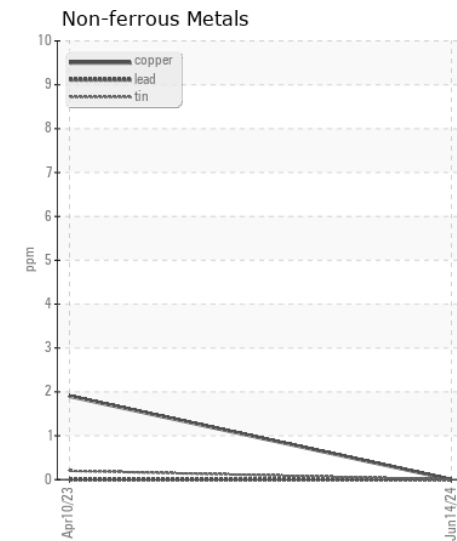
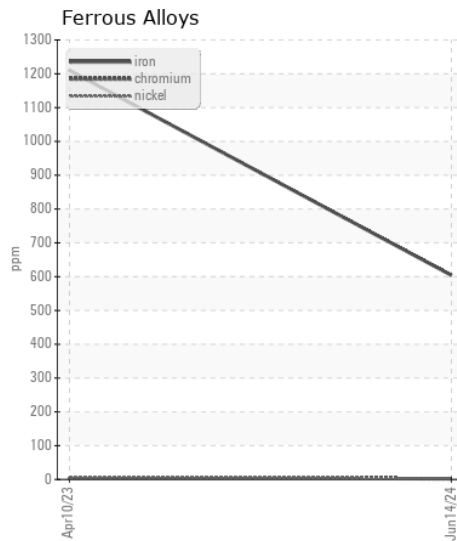
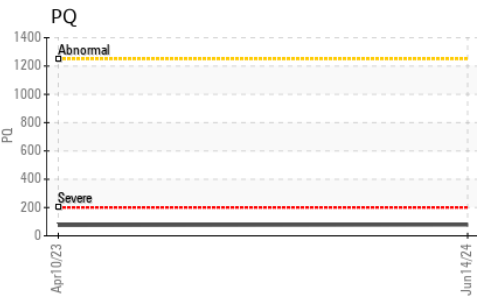
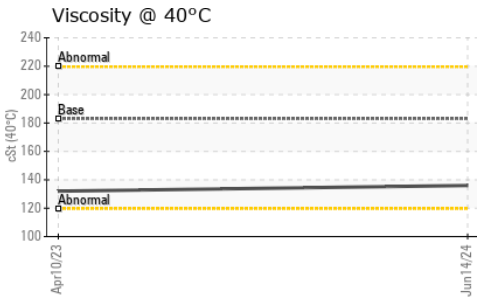
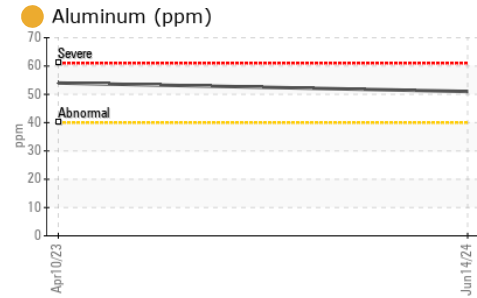
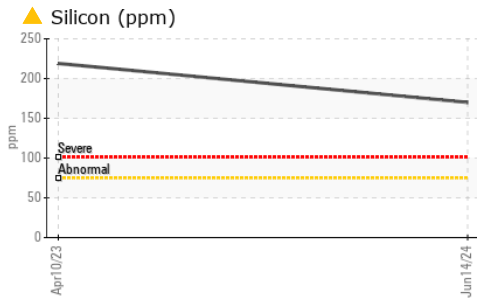
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049314	LEC0040104	---
Sample Date		Client Info		14 Jun 2024	10 Apr 2023	---
Machine Age	hrs	Client Info		4797	3942	---
Oil Age	hrs	Client Info		1000	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

PQ		ASTM D8184	>1250	78	75	---
Iron	ppm	ASTM D5185m	>750	604	1210	---
Chromium	ppm	ASTM D5185m	>9	2	5	---
Nickel	ppm	ASTM D5185m	>10	3	8	---
Titanium	ppm	ASTM D5185m		3	4	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	51	54	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	0	2	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>75	170	219	---
Potassium	ppm	ASTM D5185m	>20	13	16	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	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	---

Sodium	ppm	ASTM D5185m	>51	3	2	---
Boron	ppm	ASTM D5185m	400	137	59	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	1	---
Manganese	ppm	ASTM D5185m		6	10	---
Magnesium	ppm	ASTM D5185m	12	8	10	---
Calcium	ppm	ASTM D5185m	150	30	57	---
Phosphorus	ppm	ASTM D5185m	1650	1075	766	---
Zinc	ppm	ASTM D5185m	125	3	33	---
Sulfur	ppm	ASTM D5185m	22500	22776	23423	---
Visc @ 40°C	cSt	ASTM D445	183	136	132	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049314 **Received** : 03 Jul 2024
Lab Number : 06227745 **Tested** : 05 Jul 2024
Unique Number : 11111238 **Diagnosed** : 06 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330

Contact: JESSE WILBURN
 jessewilburn@gmail.com

T: (740)440-0927

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)

F: