



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 750L 6X67 (S/N 1T0750LXTNF414534)
 Component
Diesel Engine
 Fluid
XTREME 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197257	JR0141087	---
Sample Date		Client Info		11 Jul 2024	18 Jul 2023	---
Machine Age	hrs	Client Info		473	289	---
Oil Age	hrs	Client Info		115	189	---
Filter Age	hrs	Client Info		115	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>51	28	13	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	16	10	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	3	2	---
Lead	ppm	ASTM D5185m	>26	0	0	---
Copper	ppm	ASTM D5185m	>26	4	0	---
Tin	ppm	ASTM D5185m	>4	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

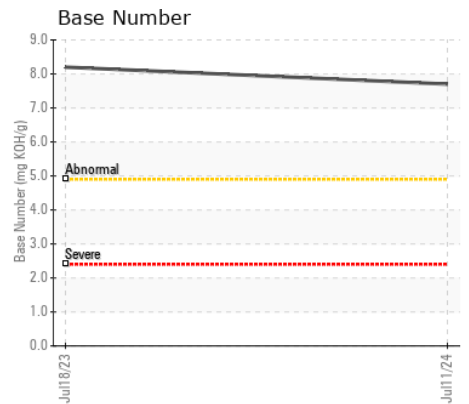
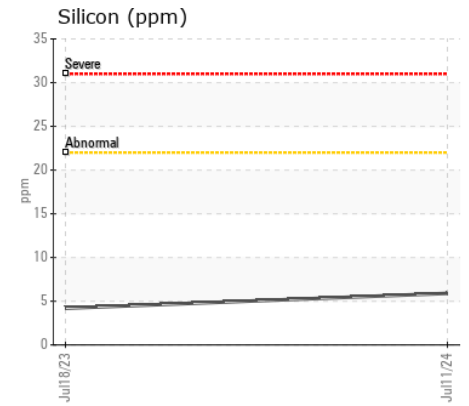
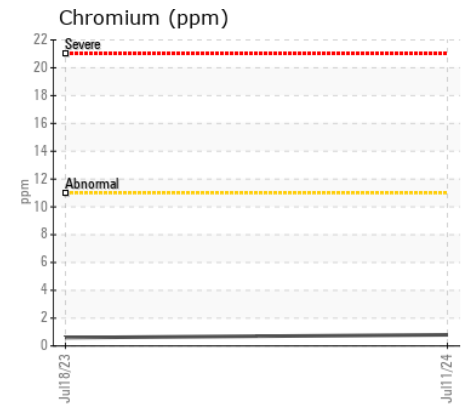
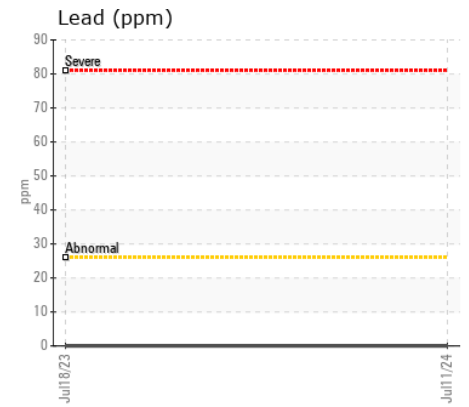
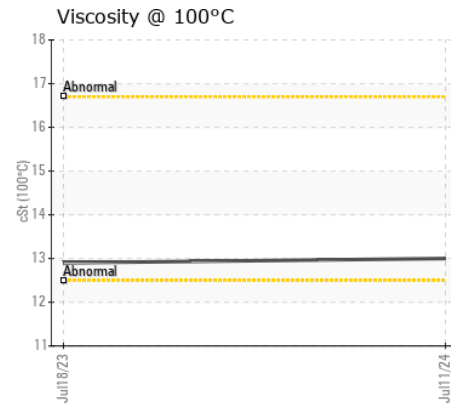
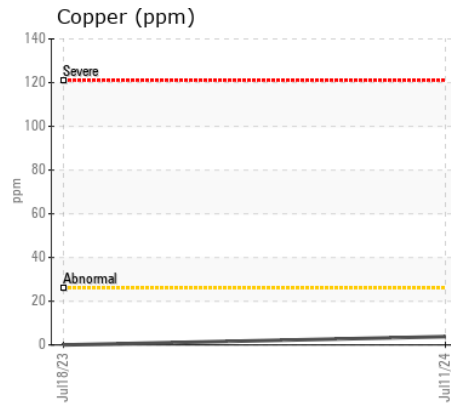
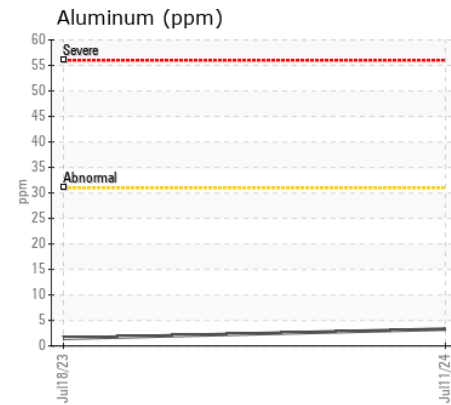
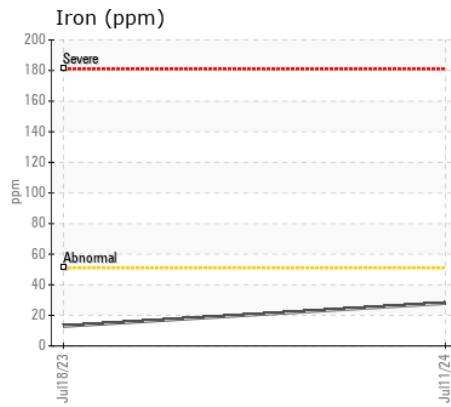
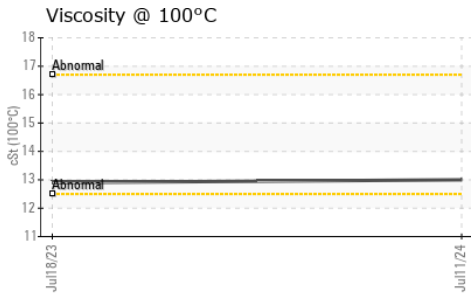
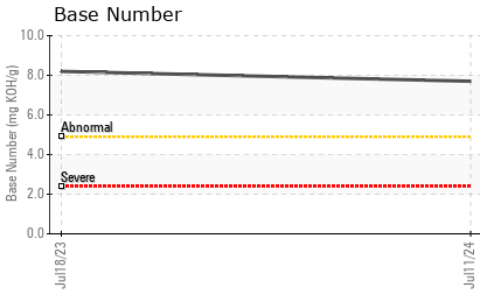
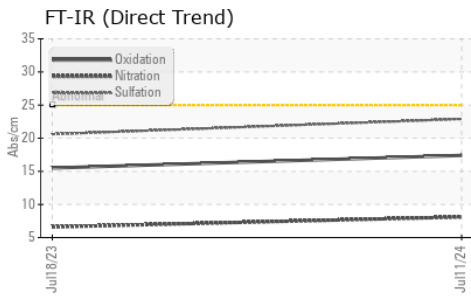
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	6	4	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.1	6.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	20.6	---
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	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	4	0	---
Boron	ppm	ASTM D5185m		386	568	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		96	93	---
Manganese	ppm	ASTM D5185m		1	0	---
Magnesium	ppm	ASTM D5185m		457	491	---
Calcium	ppm	ASTM D5185m		1510	1502	---
Phosphorus	ppm	ASTM D5185m		1068	1141	---
Zinc	ppm	ASTM D5185m		1300	1478	---
Sulfur	ppm	ASTM D5185m		3955	4769	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	15.5	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	8.2	---
Visc @ 100°C	cSt	ASTM D445		13.0	12.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197257 **Received** : 16 Jul 2024
Lab Number : 06237547 **Tested** : 17 Jul 2024
Unique Number : 11126381 **Diagnosed** : 17 Jul 2024 - Wes Davis
Test Package : MOBCE (Additional Tests: TBN)

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)

NC FOREST SERVICE
 221 AIRPORT RD
 FAYETTEVILLE, NC
 US 28306

Contact: WALTER CAPPS
 WATER.CAPPS@NCAGR.GOV

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