



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 7810 2000-7810
 Component
Diesel Engine
 Fluid
KLONDIKE HEAVY DUTY 15W40 (20 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0900944	WC0543098	WC0458687
Sample Date		Client Info		25 Apr 2024	11 Mar 2022	21 Sep 2020
Machine Age	hrs	Client Info		7421	7020	6806
Oil Age	hrs	Client Info		211	188	161
Filter Age	hrs	Client Info		211	188	161
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	12	16	16
Chromium	ppm	ASTM D5185(m)	>11	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>31	1	1	3
Lead	ppm	ASTM D5185(m)	>26	0	1	<1
Copper	ppm	ASTM D5185(m)	>26	<1	<1	1
Tin	ppm	ASTM D5185(m)	>4	0	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1

CONTAMINATION

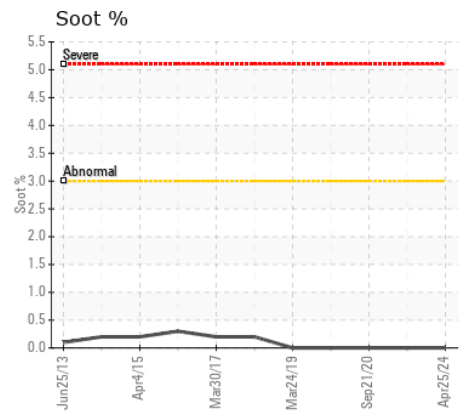
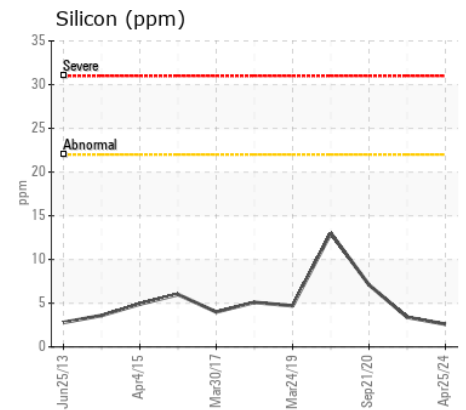
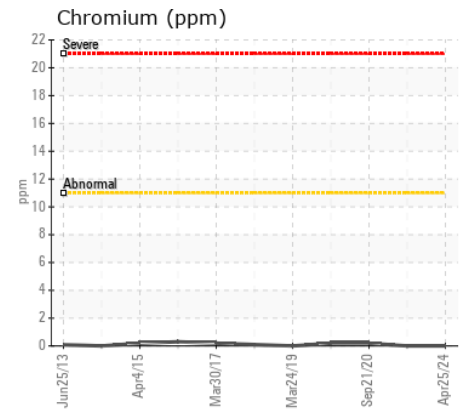
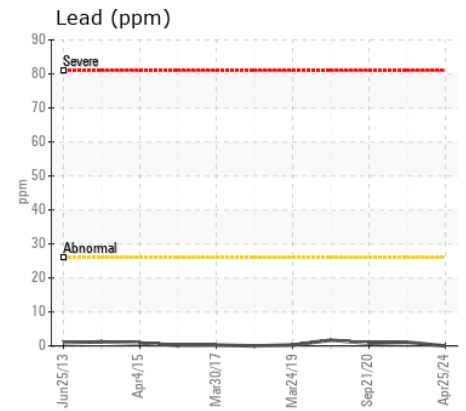
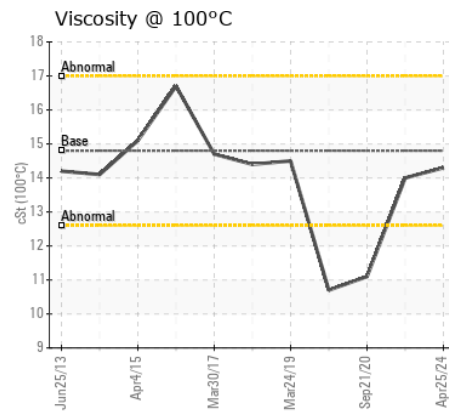
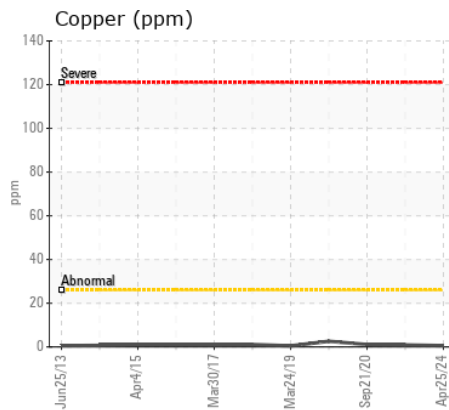
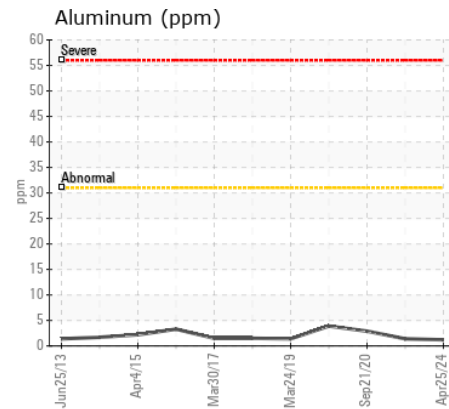
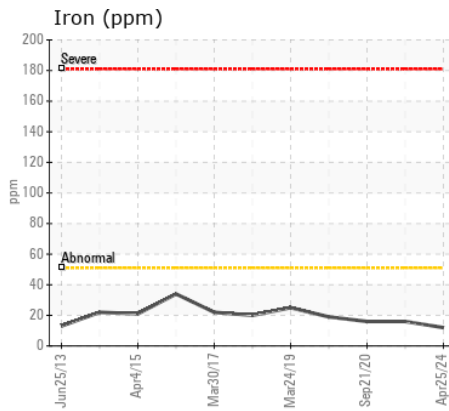
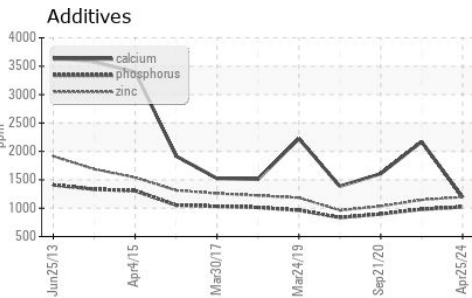
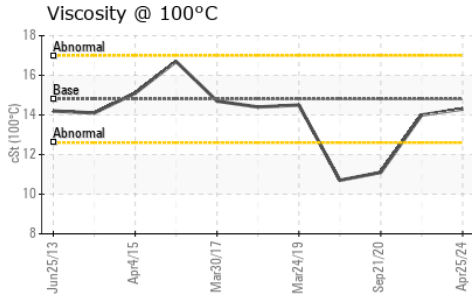
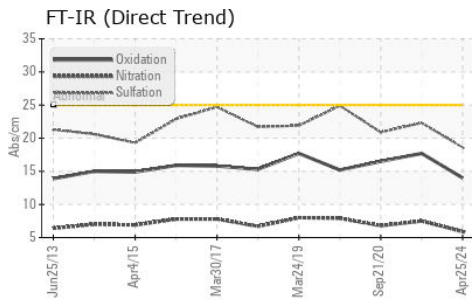
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	3	7
Potassium	ppm	ASTM D5185(m)	>20	<1	7	3
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.9	7.5	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.6	22.3	20.9
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>31	2	5	5
Boron	ppm	ASTM D5185(m)	70	14	176	228
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		59	16	179
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	50	937	63	591
Calcium	ppm	ASTM D5185(m)	2000	1191	2169	1607
Phosphorus	ppm	ASTM D5185(m)	1000	1022	981	896
Zinc	ppm	ASTM D5185(m)	1100	1196	1145	1035
Sulfur	ppm	ASTM D5185(m)	3400	2662	2855	2701
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.0	17.7	16.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	14.3	14.0	11.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0900944 **Received** : 26 Apr 2024
Lab Number : 02631623 **Tested** : 26 Apr 2024
Unique Number : 5772776 **Diagnosed** : 26 Apr 2024 - Wes Davis
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.