



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
JACOB HULSE [OR00037946]
 Machine Id
JOHN DEERE H09500X667399
 Component
Diesel Engine
 Fluid
SHELL ROTELLA T4 15W40 (--- GAL)

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		WC	WC	---
Sample Date		Client Info		07 Feb 2024	06 Feb 2024	---
Machine Age	hrs	Client Info		5660	5660	---
Oil Age	hrs	Client Info		100	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Chngd	---
Filter Changed		Client Info		Changed	Not Chngd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	4	2	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	2	4	---
Lead	ppm	ASTM D5185(m)	>26	<1	<1	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

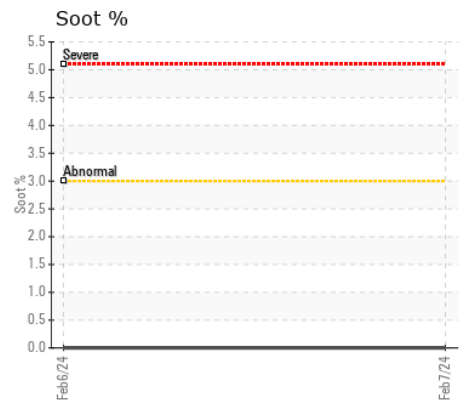
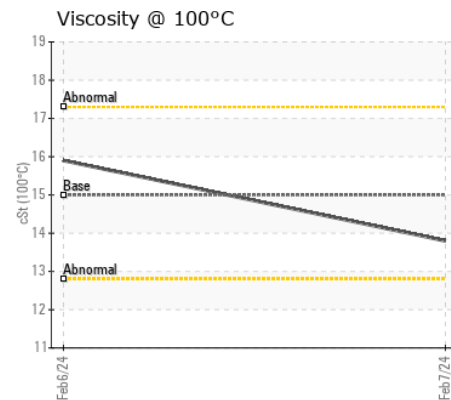
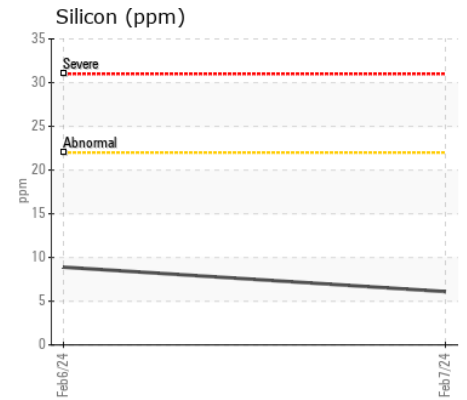
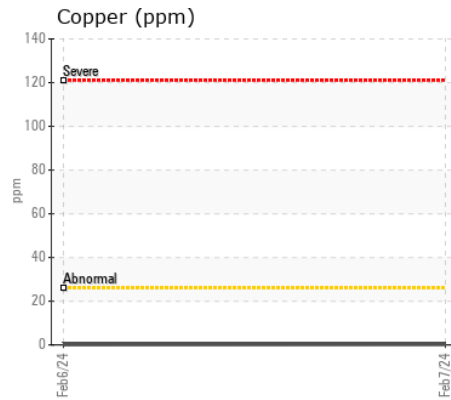
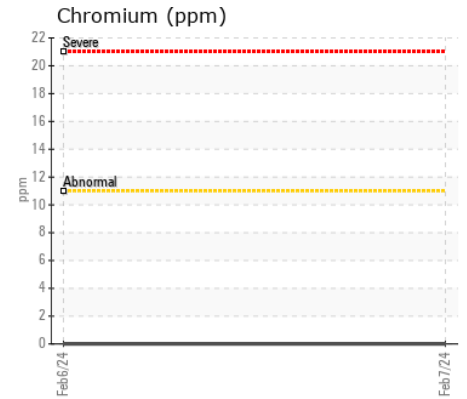
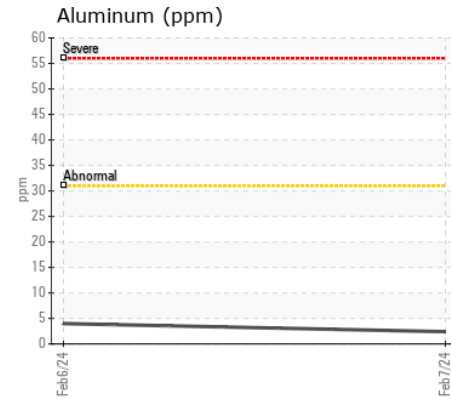
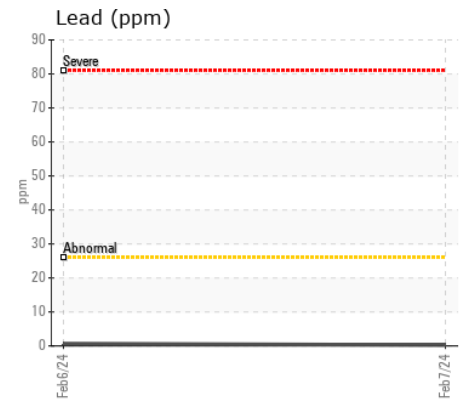
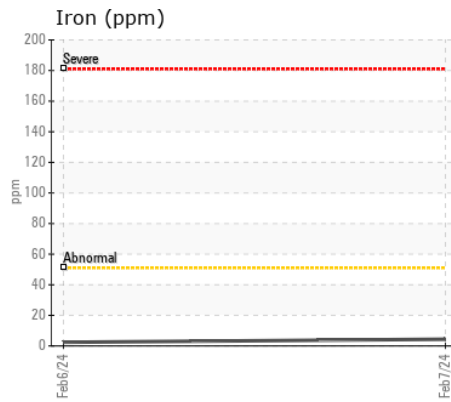
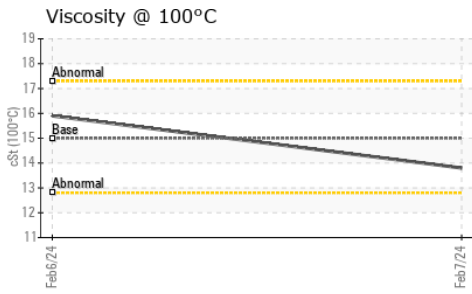
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	6	9	---
Potassium	ppm	ASTM D5185(m)	>20	1	1	---
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	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.5	5.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.6	20.2	---
Emulsified Water	scalar	Visual*	>0.21	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	1	---
Boron	ppm	ASTM D5185(m)		59	244	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		84	244	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		11	796	---
Calcium	ppm	ASTM D5185(m)		2190	1324	---
Phosphorus	ppm	ASTM D5185(m)		1008	845	---
Zinc	ppm	ASTM D5185(m)		1135	947	---
Sulfur	ppm	ASTM D5185(m)		3305	2603	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.8	14.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	15	13.8	15.9	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC
Lab Number : 02618324
Unique Number : 5735434
Test Package : MOB 1
Received : 27 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Wes Davis

Green Tractors
 6770 King Road West
 Nobleton, ON
 CA L0G 1N0
 Contact: Norm
 norm@greentractors.ca
 T: (905)859-0581
 F:

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.