



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[FLE.23.02479]
 Machine Id
JOHN DEERE 485
 Component
Diesel Engine
 Fluid
SAE 5W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0804310	WC0666031	---
Sample Date		Client Info		11 Jan 2024	19 Oct 2022	---
Machine Age	hrs	Client Info		2321	1167	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	11	8	---
Chromium	ppm	ASTM D5185(m)	>11	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	2	2	---
Lead	ppm	ASTM D5185(m)	>26	2	1	---
Copper	ppm	ASTM D5185(m)	>26	2	2	---
Tin	ppm	ASTM D5185(m)	>4	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

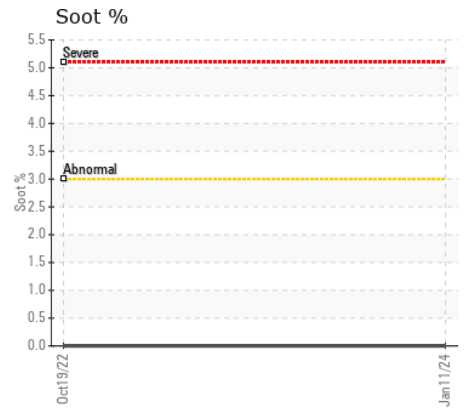
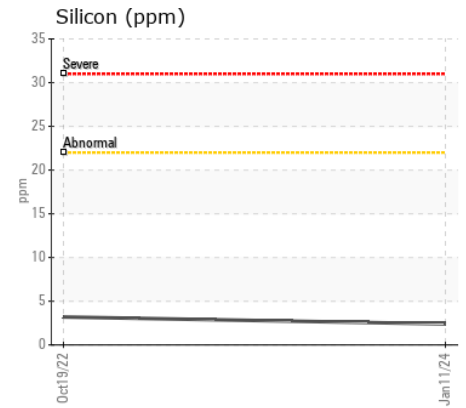
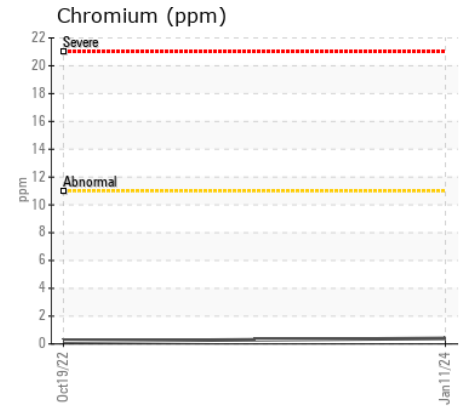
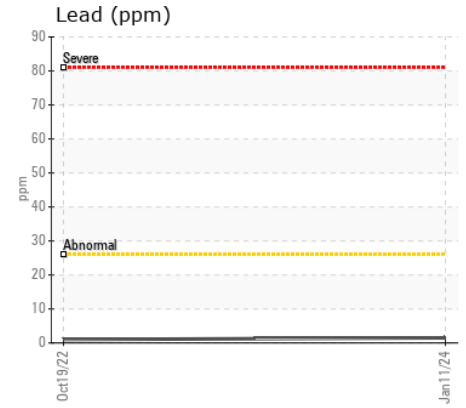
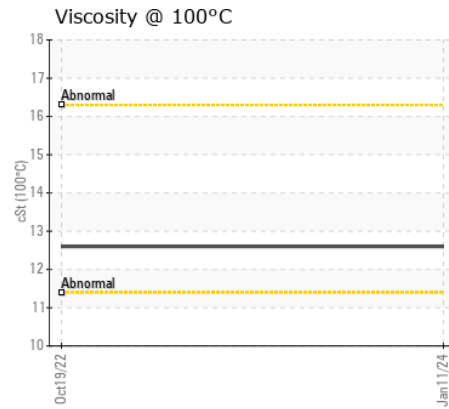
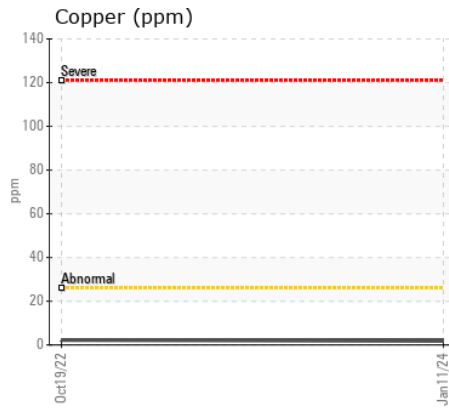
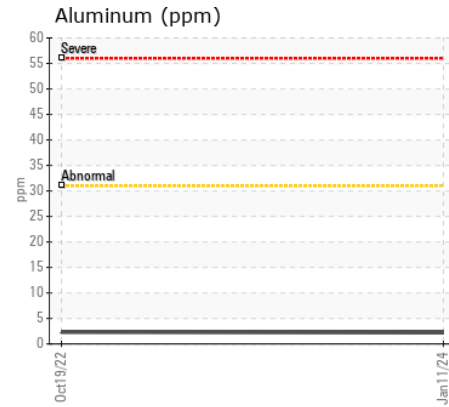
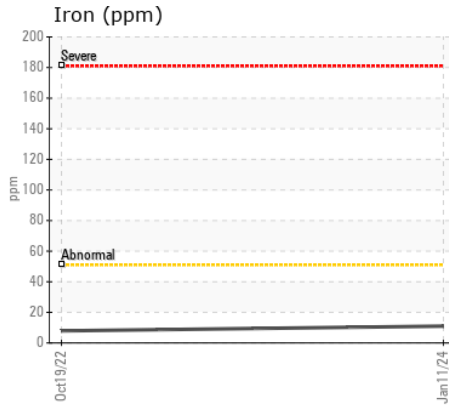
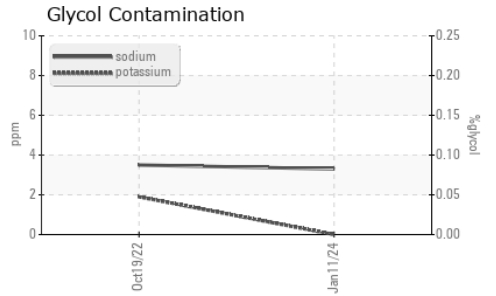
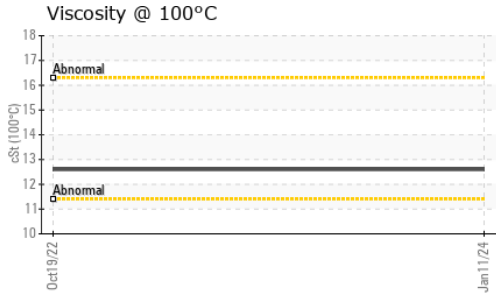
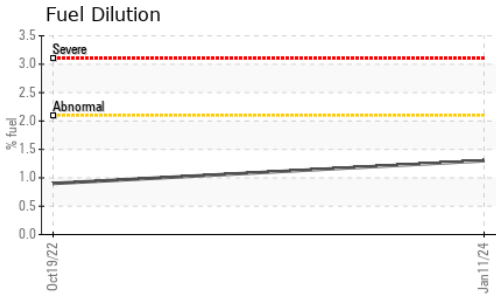
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>22	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	0	2	---
Fuel	%	ASTM D7593*	>2.1	1.3	0.9	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol	%	ASTM D7922*		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	10.6	9.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.9	19.6	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	4	---
Boron	ppm	ASTM D5185(m)		30	51	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		59	61	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		1047	999	---
Calcium	ppm	ASTM D5185(m)		909	905	---
Phosphorus	ppm	ASTM D5185(m)		983	969	---
Zinc	ppm	ASTM D5185(m)		1137	1107	---
Sulfur	ppm	ASTM D5185(m)		2887	2813	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.0	17.8	---
Visc @ 100°C	cSt	ASTM D7279(m)		12.6	12.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **THE CORP/CITY OF SAULT STE MARIE**
Sample No. : WC0804310 **Received** : 12 Jan 2024 **PUBLIC WORKS - STORES, 128 SACKVILLE ROAD**
Lab Number : 02608432 **Diagnosed** : 16 Jan 2024 **SAULT STE. MARIE, ON**
Unique Number : 5709518 **Diagnostician** : Kevin Marson **CA P6B 4T6**
Test Package : MOB 1 (Additional Tests: FUELDILUTION, Glycol, PercentFuel)

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.

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