



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Shelter Bay

Machine Id

JOHN DEERE John Deere feed generator (S/N PE6068N013295)

Component

Diesel Engine

Fluid

MOBIL DELVAC 1 5W40 (30 LTR)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0894238	WC0894275	---
Sample Date		Client Info		12 May 2024	16 Mar 2024	---
Machine Age	hrs	Client Info		13525	12890	---
Oil Age	hrs	Client Info		635	480	---
Filter Age	hrs	Client Info		175	160	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	17	11	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	<1	<1	---
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

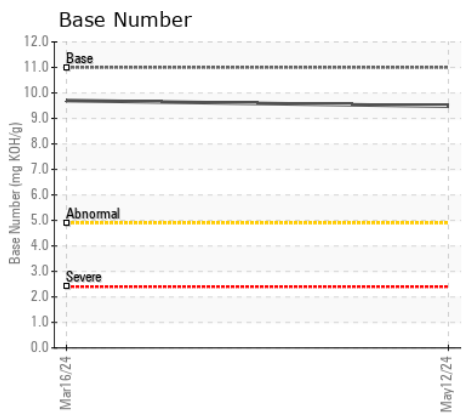
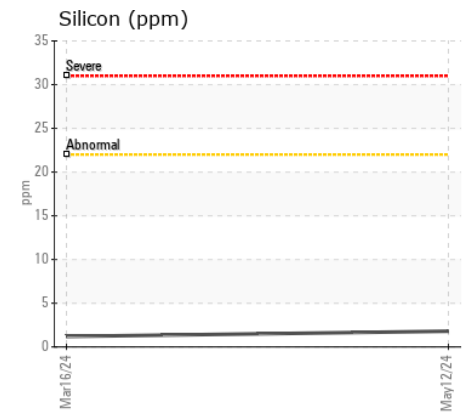
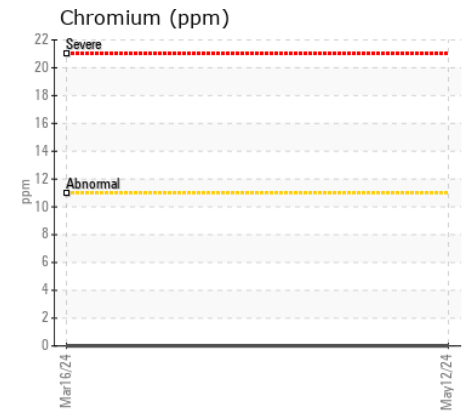
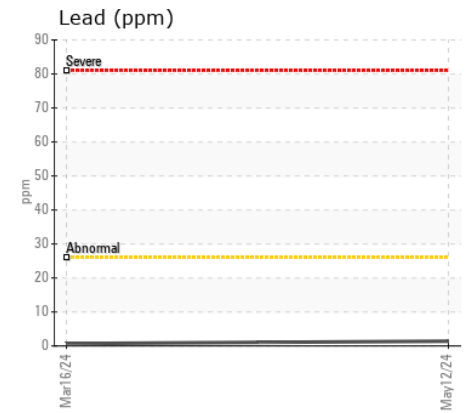
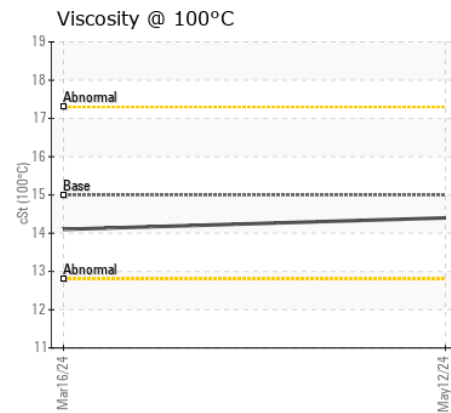
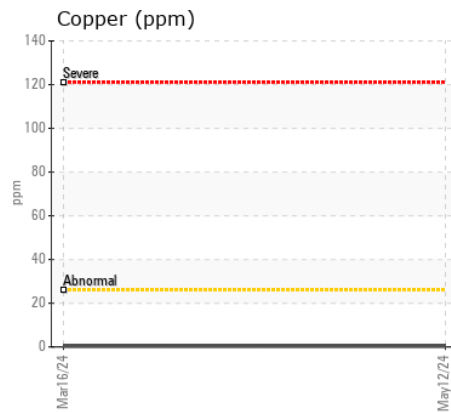
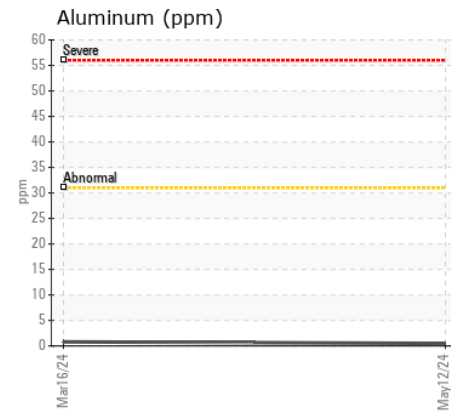
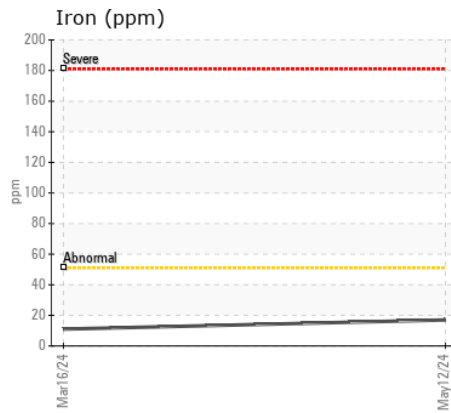
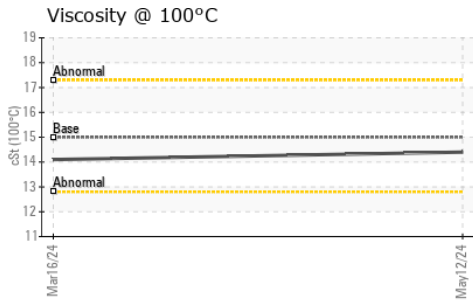
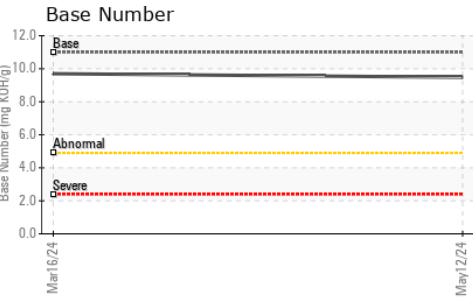
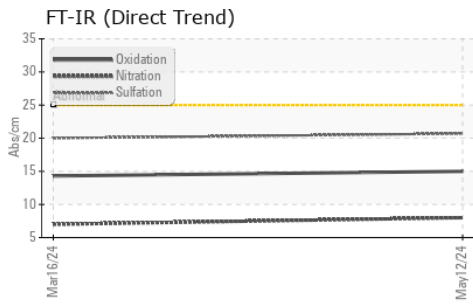
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	2	1	---
Potassium	ppm	ASTM D5185(m)	>20	0	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	0.5	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	8.0	7.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	20.0	---
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 D5185(m)	>31	2	<1	---
Boron	ppm	ASTM D5185(m)	291	6	2	---
Barium	ppm	ASTM D5185(m)	0.0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	8.0	65	57	---
Manganese	ppm	ASTM D5185(m)		<1	0	---
Magnesium	ppm	ASTM D5185(m)	624	813	914	---
Calcium	ppm	ASTM D5185(m)	2158	1319	1193	---
Phosphorus	ppm	ASTM D5185(m)	1132	970	970	---
Zinc	ppm	ASTM D5185(m)	1300	1184	1182	---
Sulfur	ppm	ASTM D5185(m)	3616	2586	2580	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.0	14.3	---
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	9.48	9.70	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	14.4	14.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0894238 **Received** : 07 Jun 2024  
**Lab Number** : 02640416 **Tested** : 11 Jun 2024  
**Unique Number** : 5789578 **Diagnosed** : 11 Jun 2024 - Wes Davis  
**Test Package** : MOB 2

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.

**Mowi Canada West**  
 7200 Coho Road  
 Port Hardy, BC  
 CA V0N 2P0  
 Contact: Brian Dalton  
 brian.dalton@mowi.com

T:  
F: