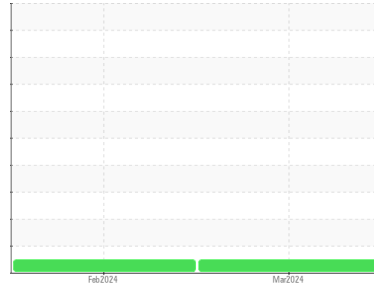




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

Marsh Bay A Barge

Machine Id

JOHN DEERE Feed Generator (S/N PE4045N044169)

Component

Diesel Engine

Fluid

MOBIL 15W40 (30 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0894283	WC0894249	---
Sample Date	Client Info		15 Mar 2024	02 Feb 2024	---
Machine Age	hrs	Client Info	3660	2980	---
Oil Age	hrs	Client Info	680	255	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<1.0	<1.0	---
Water	WC Method	>0.21	NEG	NEG	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>51	9	7	---
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	0	<1	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		1	1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		62	61	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		993	1004	---
Calcium	ppm	ASTM D5185(m)		1055	1069	---
Phosphorus	ppm	ASTM D5185(m)		1013	1051	---
Zinc	ppm	ASTM D5185(m)		1215	1202	---
Sulfur	ppm	ASTM D5185(m)		2655	2914	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

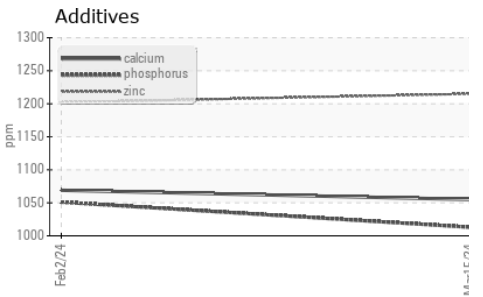
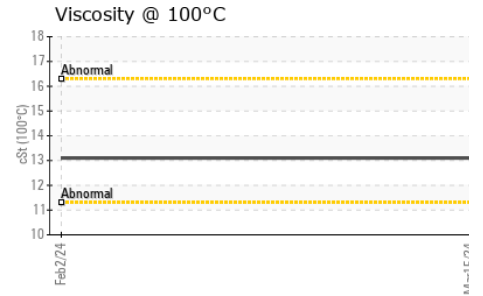
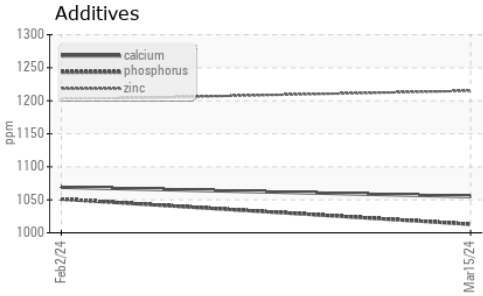
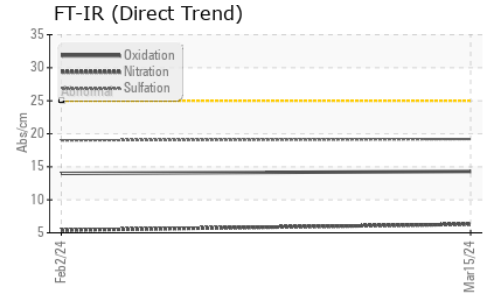
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>22	3	2	---
Sodium	ppm	ASTM D5185(m)	>118	<1	1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.3	5.4	---
Sulfation	Abs./1mm	ASTM D7415*	>30	19.2	19.0	---



OIL ANALYSIS REPORT

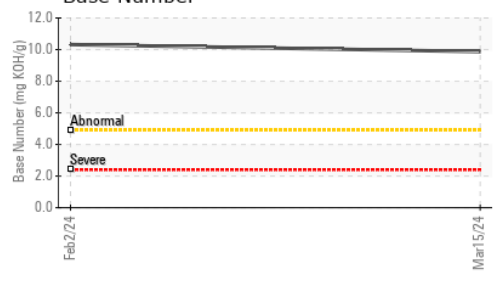
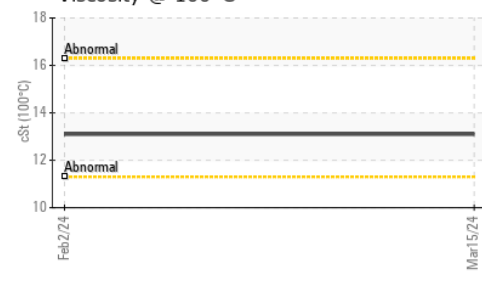
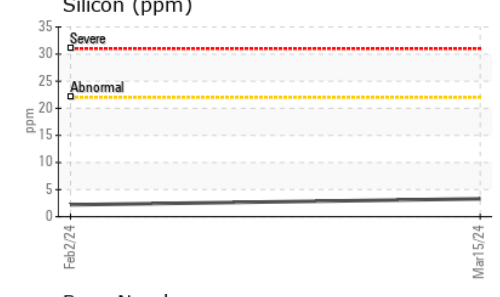
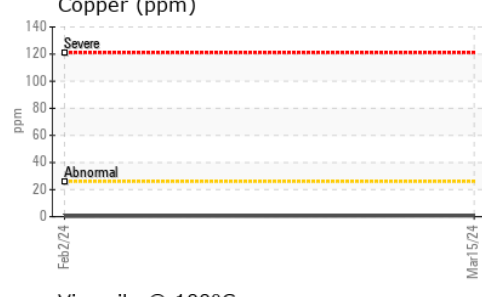
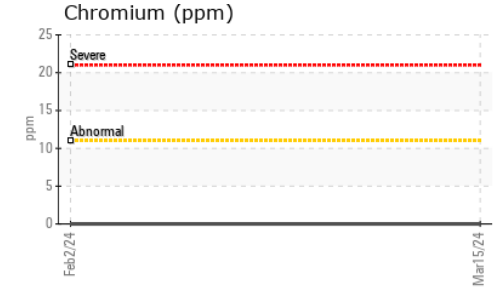
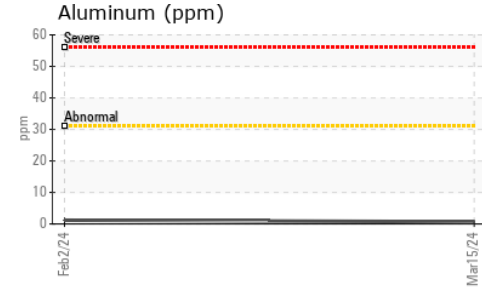
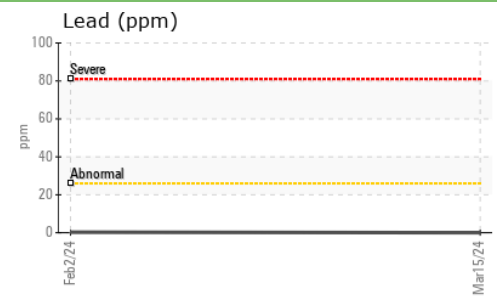
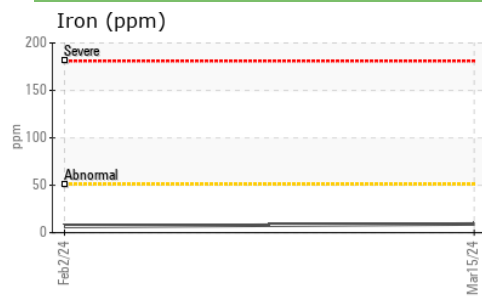


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.3	14.0	---
Base Number (BN)	mg KOH/g	ASTM D2896*		9.87	10.32	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		13.1	13.1	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0894283 **Received** : 08 Apr 2024
Lab Number : **02627215** **Tested** : 09 Apr 2024
Unique Number : 5760347 **Diagnosed** : 09 Apr 2024 - Wes Davis
Test Package : MOB 2

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

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.