



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Marsh Bay B barge
 Machine Id
JOHN DEERE John Deere (S/N PE4045N044168)
 Component
Diesel Engine
 Fluid
MOBIL 15W40 (30 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0894258	---	---
Sample Date		Client Info		02 Feb 2024	---	---
Machine Age	hrs	Client Info		2560	---	---
Oil Age	hrs	Client Info		360	---	---
Filter Age	hrs	Client Info		360	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	7	---	---
Chromium	ppm	ASTM D5185(m)	>11	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>31	1	---	---
Lead	ppm	ASTM D5185(m)	>26	<1	---	---
Copper	ppm	ASTM D5185(m)	>26	<1	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

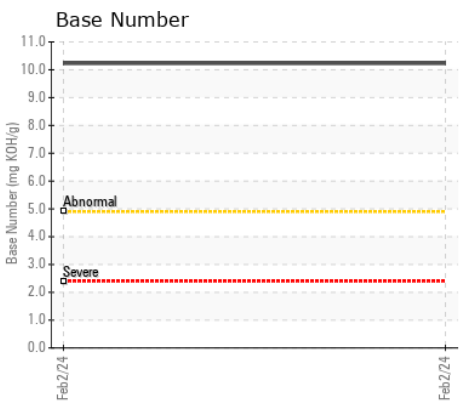
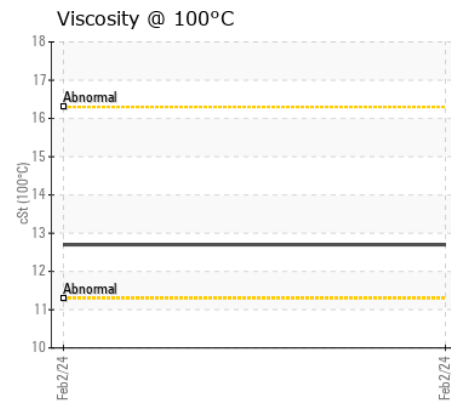
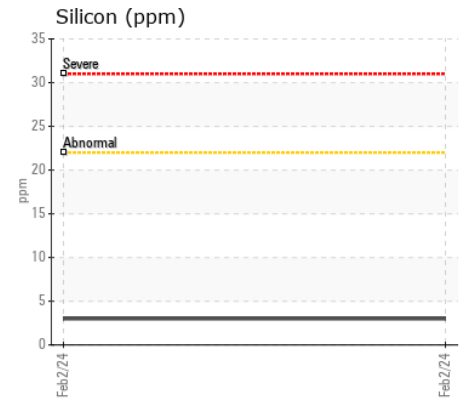
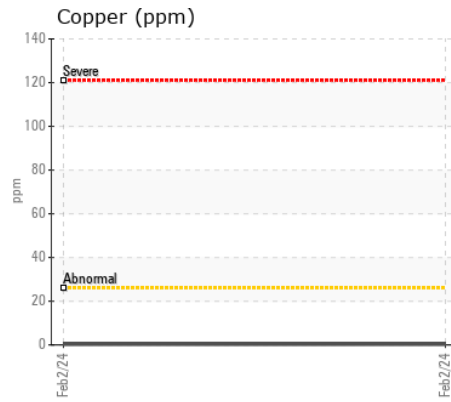
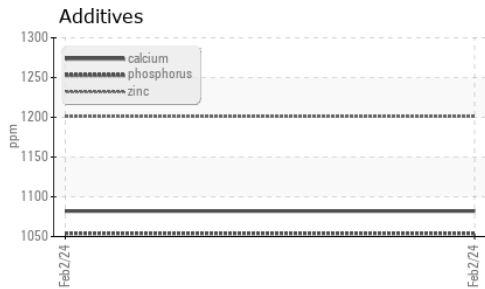
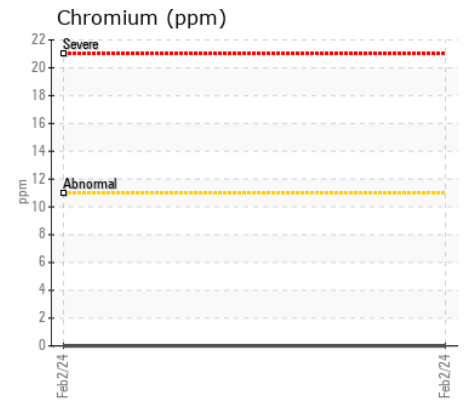
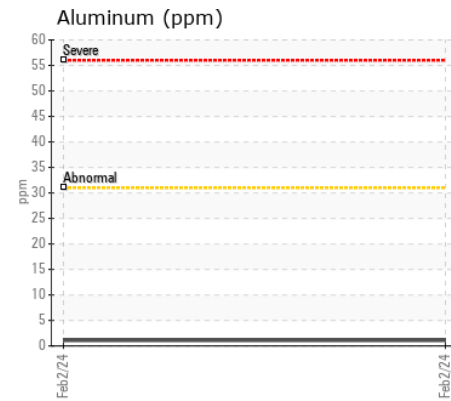
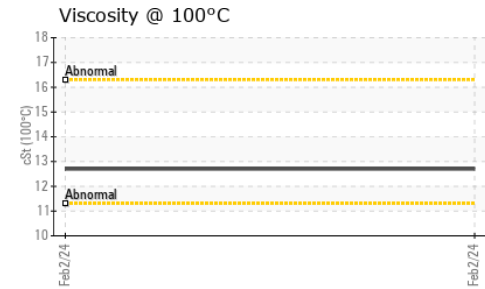
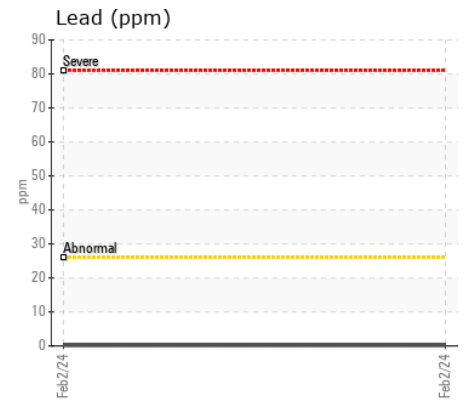
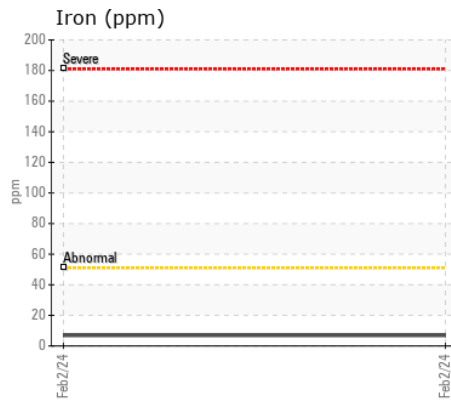
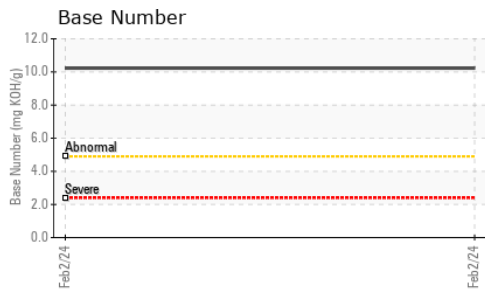
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>2.1	<1.0	---	---
Water		WC Method	>0.21	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	6.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	---	---
Emulsified Water	scalar	Visual*	>0.21	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)	>118	<1	---	---
Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		60	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		992	---	---
Calcium	ppm	ASTM D5185(m)		1082	---	---
Phosphorus	ppm	ASTM D5185(m)		1054	---	---
Zinc	ppm	ASTM D5185(m)		1201	---	---
Sulfur	ppm	ASTM D5185(m)		2896	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.6	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		10.23	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		12.7	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0894258
Lab Number : 02617974
Unique Number : 5735084
Test Package : MOB 2
Received : 26 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Wes Davis

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.

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F: