



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**FOREMOST FISHING LTD**

Machine Id  
**NO UNIT OF0000693**

Component  
**Diesel Engine**

Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000693</b>	---	---
Sample Date		Client Info		<b>25 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>500</b>	---	---
Filter Age	hrs	Client Info		<b>500</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

Light concentration of visible metal present. All other component wear rates are normal.

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

## CONTAMINATION

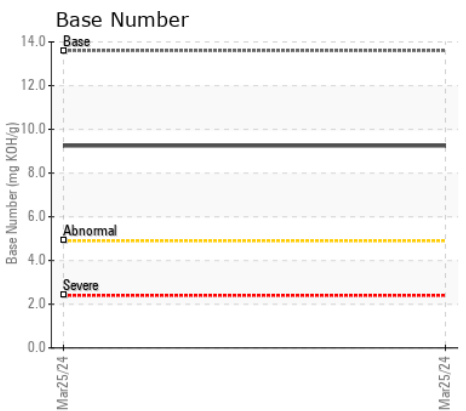
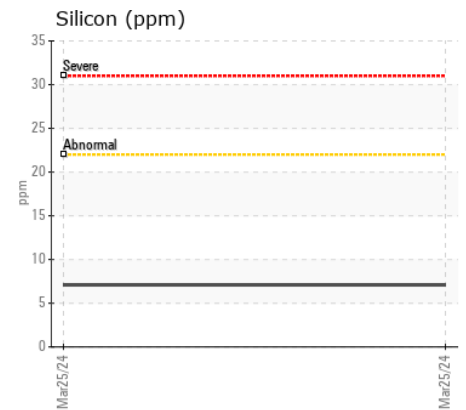
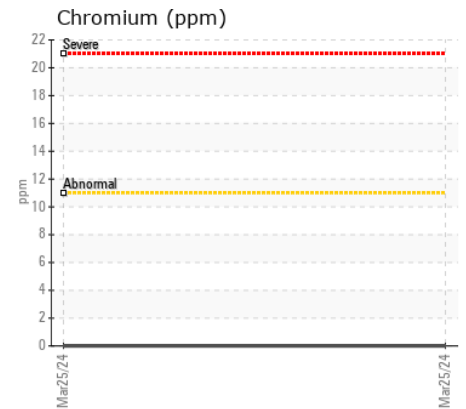
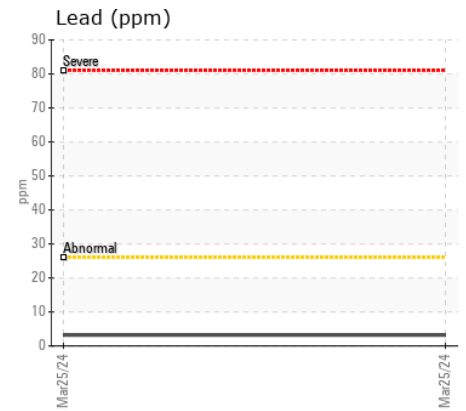
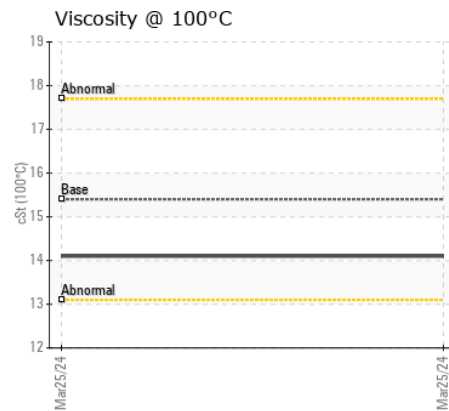
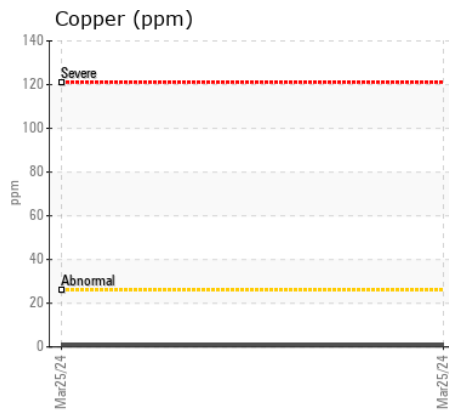
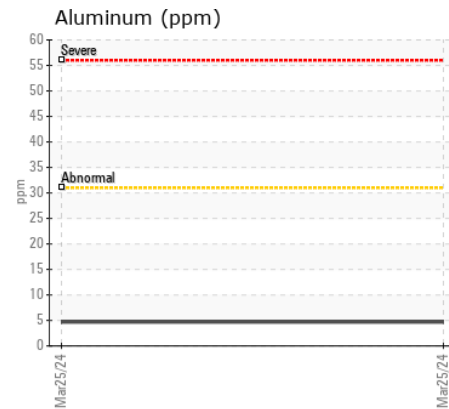
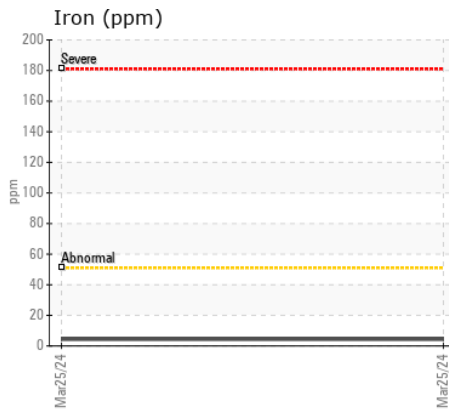
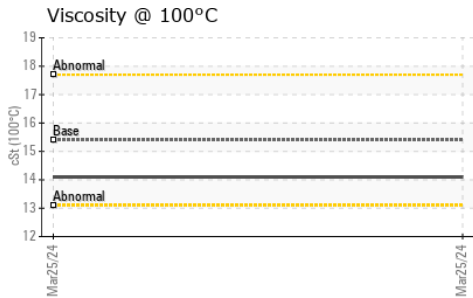
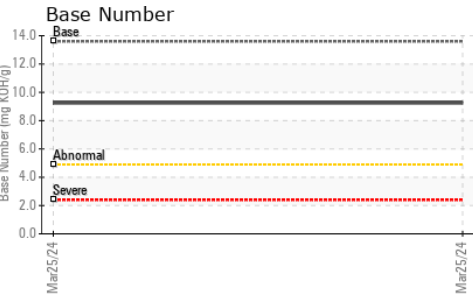
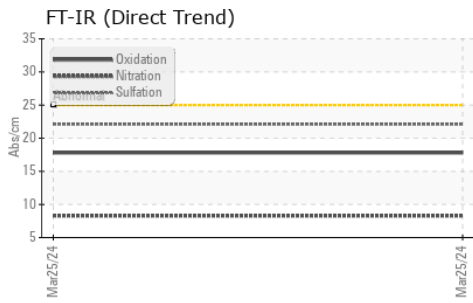
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.21	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.3</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.1</b>	---	---
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	---	---

## 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	<b>1</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>217</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>256</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>833</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1374</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>852</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>996</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2433</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.8</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	13.6	<b>9.25</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.1</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**Sample No.** : OF0000693

**Lab Number** : 02630542

**Unique Number** : 5763674

**Test Package** : MOB 2 ( Additional Tests: BottomAnalysis, FILTERPATCH )

**Received** : 22 Apr 2024

**Tested** : 24 Apr 2024

**Diagnosed** : 24 Apr 2024 - Kevin Marson

**Oil Filtration Solutions Ltd.**

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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.