



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**360 MARINE/360 SUPLIER**  
Machine Id  
**NOUNITOF0000995**  
Component  
**Main Engine**  
Fluid  
**IRVING 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000995</b>	---	---
Sample Date		Client Info		<b>18 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>75	<b>9</b>	---	---
Chromium	ppm	ASTM D5185(m)	>8	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>18	<b>3</b>	---	---
Copper	ppm	ASTM D5185(m)	>80	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m)	>14	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

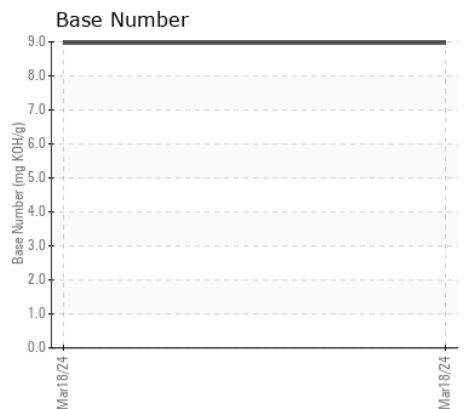
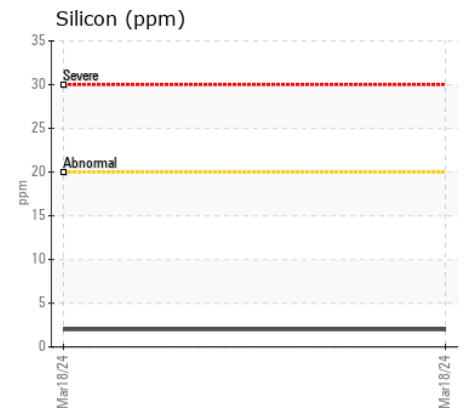
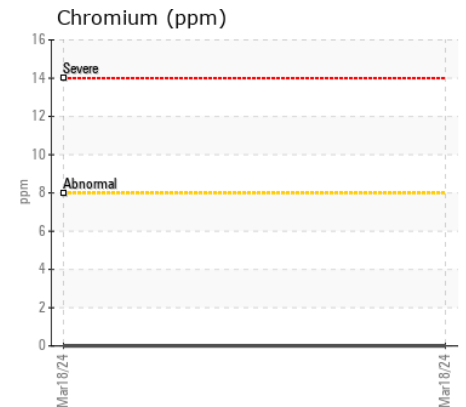
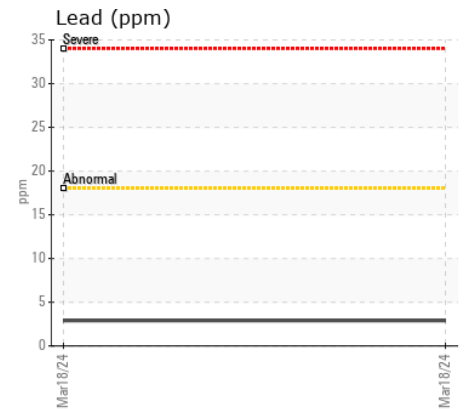
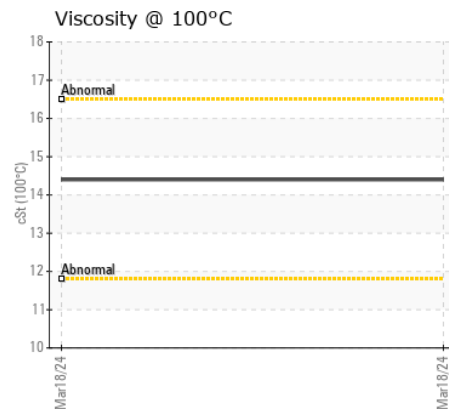
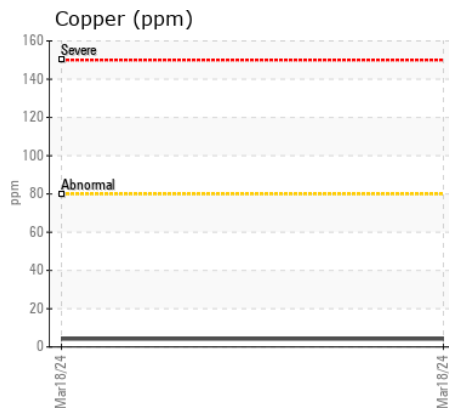
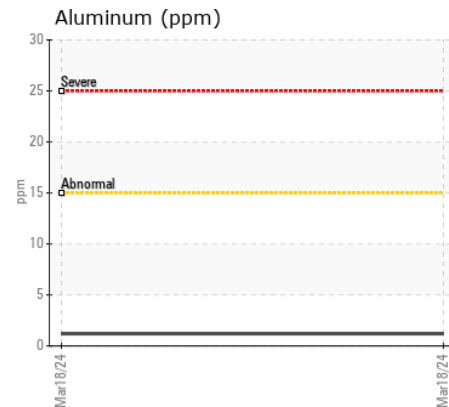
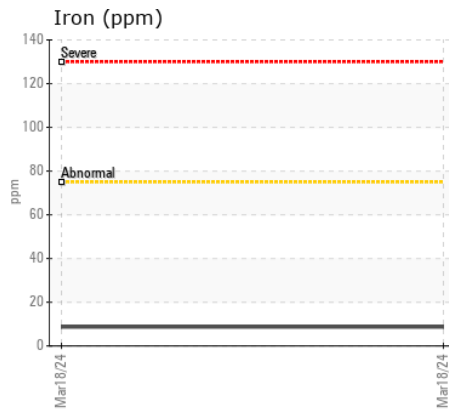
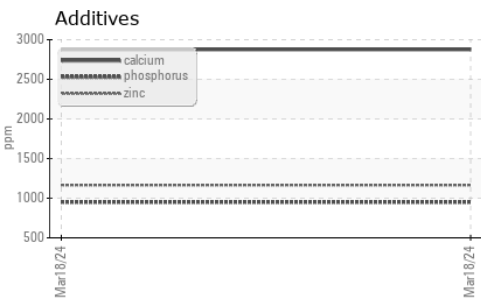
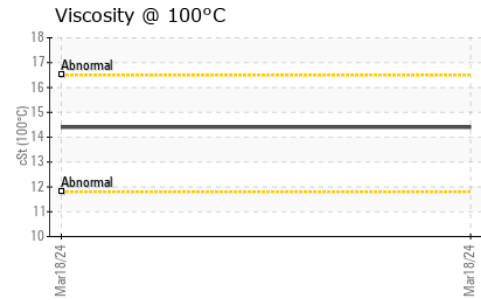
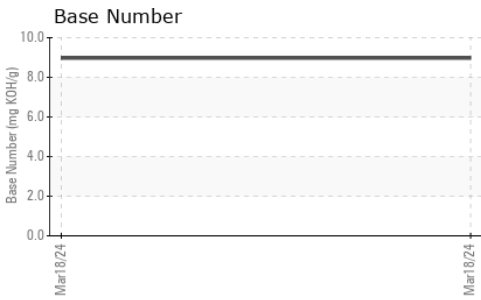
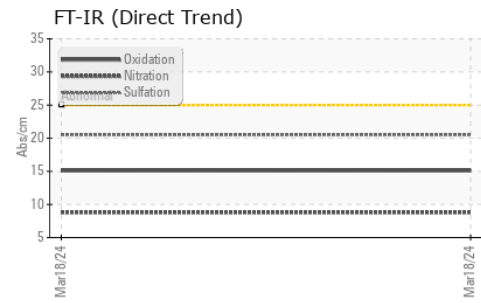
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*		<b>0.1</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.8</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.5</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<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)	>101	<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>17</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>15</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>2876</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>951</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1165</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3189</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>8.97</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>14.4</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000995 **Received** : 08 Apr 2024  
**Lab Number** : 02627205 **Tested** : 09 Apr 2024  
**Unique Number** : 5760337 **Diagnosed** : 09 Apr 2024 - Wes Davis  
**Test Package** : MOB 2

**Oil Filtration Solutions Ltd.**  
 PO BOX 16125  
 CONCEPTION BAY SOUTH, NL  
 CA A1X 2E2  
 Contact: BILL BUTLER  
 BBUTLER@OILFILTRATIONSOLUTIONS.COM  
 T: (709)834-8433  
 F: (709)834-8435

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.