



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

McCarthy's Fisheries Ltd

Machine Id

COMMERCIAL FISHING MV Executioner

Component

4 Genset

Fluid

SHELL ROTELLA T 15W40 (45 LTR)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000961	OF0000305	---
Sample Date		Client Info		11 Apr 2024	15 Sep 2023	---
Machine Age	hrs	Client Info		6859	6369	---
Oil Age	hrs	Client Info		686	192	---
Filter Age	hrs	Client Info		186	192	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m)	>50	19	14	---
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>12	2	3	---
Lead	ppm	ASTM D5185(m)	>17	2	2	---
Copper	ppm	ASTM D5185(m)	>70	14	18	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

## CONTAMINATION

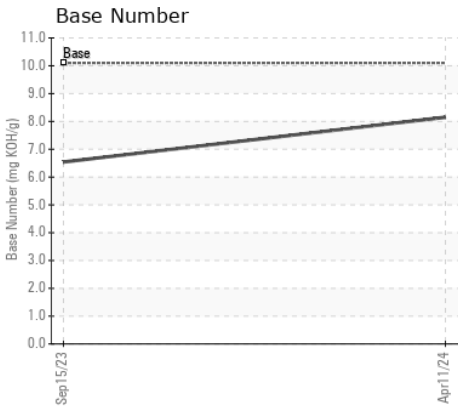
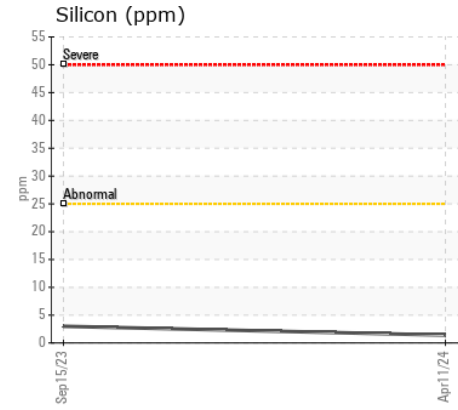
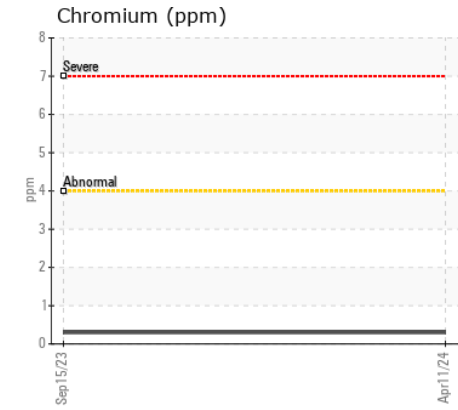
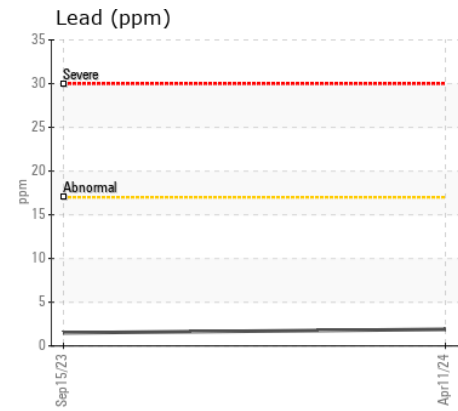
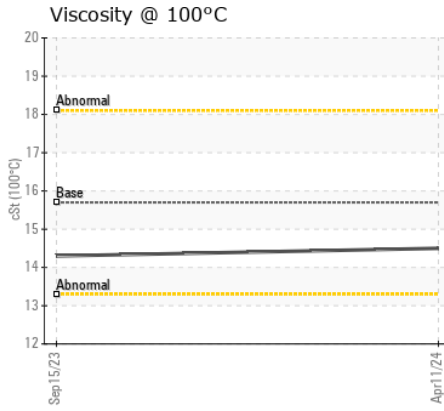
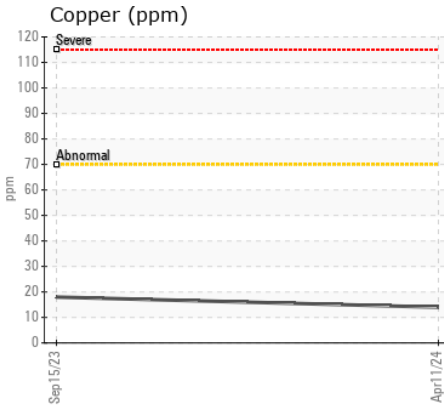
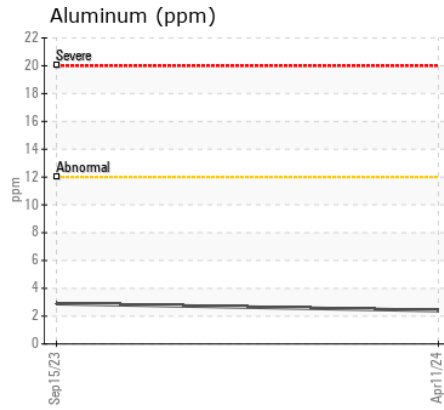
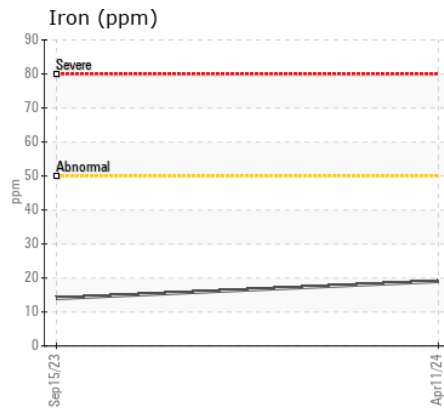
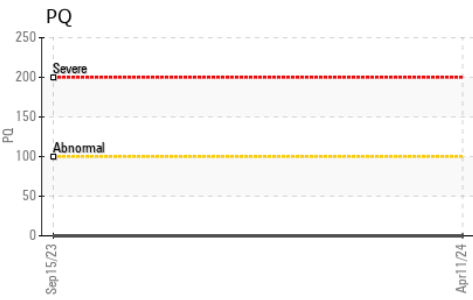
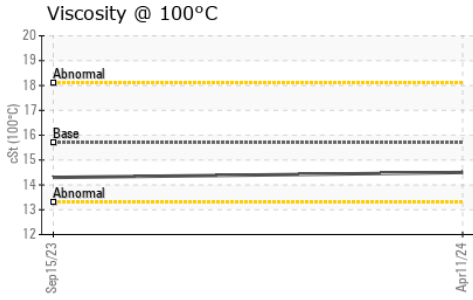
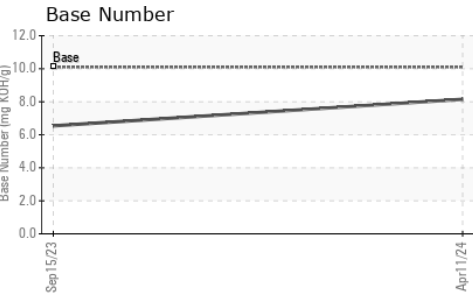
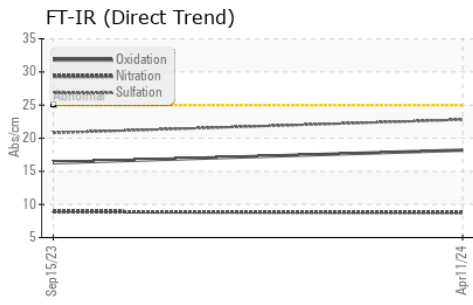
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	1	3	---
Potassium	ppm	ASTM D5185(m)	>20	3	0	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.8	8.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.8	20.8	---
Emulsified Water	scalar	Visual*	>0.1	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)		3	2	---
Boron	ppm	ASTM D5185(m)	35	97	102	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	9	30	---
Manganese	ppm	ASTM D5185(m)	0	0	0	---
Magnesium	ppm	ASTM D5185(m)	10	15	12	---
Calcium	ppm	ASTM D5185(m)	2340	2198	2205	---
Phosphorus	ppm	ASTM D5185(m)	1110	972	1019	---
Zinc	ppm	ASTM D5185(m)	1210	1171	1204	---
Sulfur	ppm	ASTM D5185(m)	3890	2945	3050	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.2	16.3	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.1	8.15	6.54	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	14.5	14.3	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000961  
**Lab Number** : 02630049  
**Unique Number** : 5763181  
**Test Package** : MOB 2 ( Additional Tests: PQ )

**Received** : 18 Apr 2024  
**Tested** : 19 Apr 2024  
**Diagnosed** : 19 Apr 2024 - Wes Davis

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.

**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