



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
McCarthy's Fisheries Ltd
 Machine Id
COMMERCIAL FISHING MV Executioner
 Component
3 Genset
 Fluid
SHELL ROTELLA T 15W40 (18 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 2,300 hours since rebuild)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000962	OF0000299	---
Sample Date		Client Info		11 Apr 2024	15 Sep 2023	---
Machine Age	hrs	Client Info		2300	14500	---
Oil Age	hrs	Client Info		500	260	---
Filter Age	hrs	Client Info		500	260	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m)	>50	16	8	---
Chromium	ppm	ASTM D5185(m)	>4	<1	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>12	1	1	---
Lead	ppm	ASTM D5185(m)	>17	1	1	---
Copper	ppm	ASTM D5185(m)	>70	1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

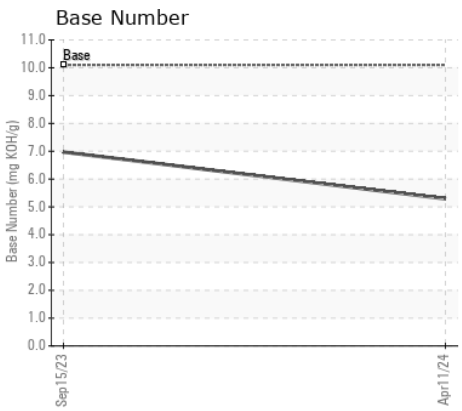
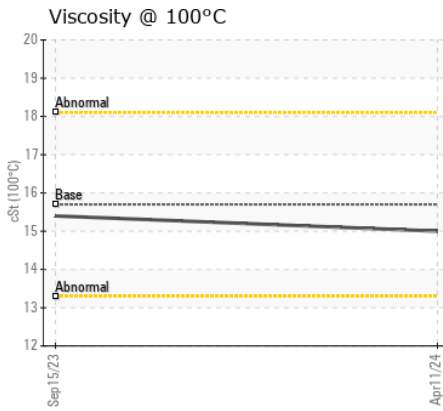
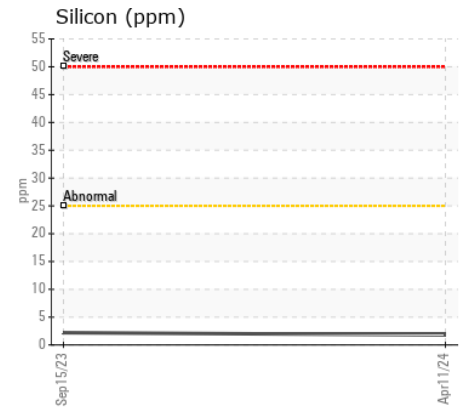
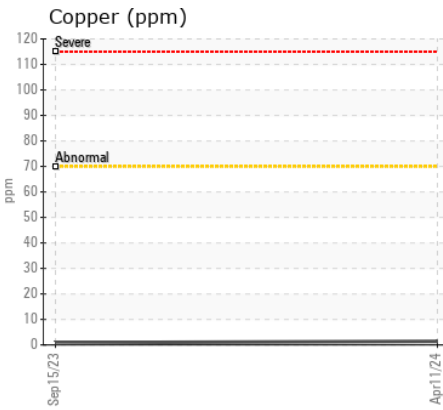
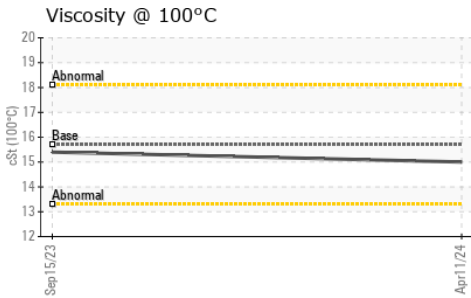
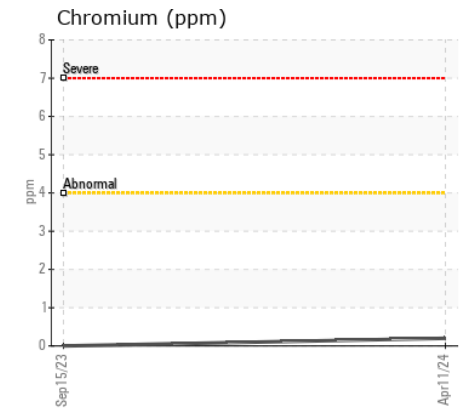
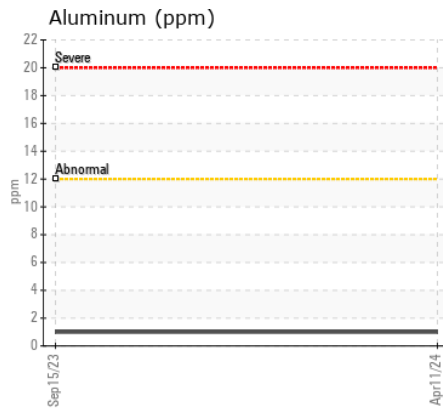
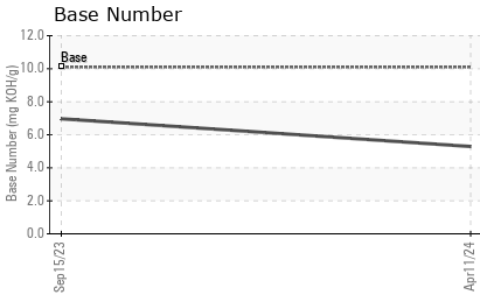
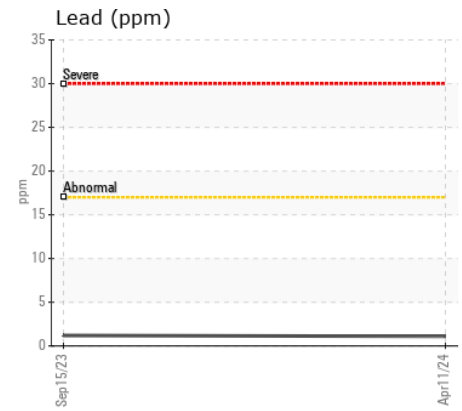
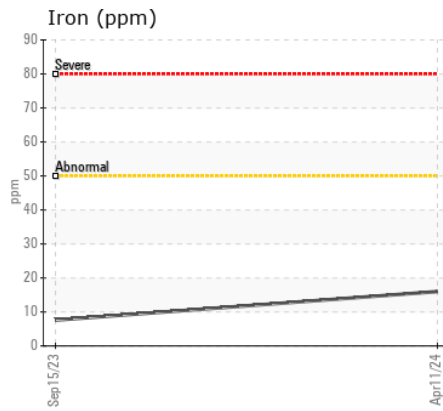
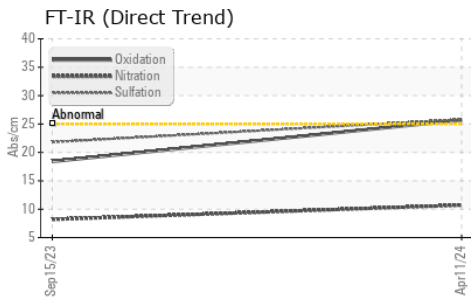
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	2	---
Potassium	ppm	ASTM D5185(m)	>20	2	16	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*		0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	10.7	8.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.8	21.8	---
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)		4	3	---
Boron	ppm	ASTM D5185(m)	35	72	117	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	8	2	---
Manganese	ppm	ASTM D5185(m)	0	<1	0	---
Magnesium	ppm	ASTM D5185(m)	10	19	11	---
Calcium	ppm	ASTM D5185(m)	2340	2231	2380	---
Phosphorus	ppm	ASTM D5185(m)	1110	940	1010	---
Zinc	ppm	ASTM D5185(m)	1210	1156	1220	---
Sulfur	ppm	ASTM D5185(m)	3890	2901	3012	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	25.7	18.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.1	5.29	6.97	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	15.0	15.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000962 **Received** : 18 Apr 2024
Lab Number : 02630048 **Tested** : 19 Apr 2024
Unique Number : 5763180 **Diagnosed** : 19 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ)

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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.