



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

McCarthy's Fisheries Ltd

Machine Id

COMMERCIAL FISHING MV Executioner

Component

2 Genset

Fluid

SHELL ROTELLA T 15W40 (22 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 1,900 hrs since rebuild)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000964	OF0000306	---
Sample Date		Client Info		11 Apr 2024	15 Sep 2023	---
Machine Age	hrs	Client Info		1900	24863	---
Oil Age	hrs	Client Info		672	204	---
Filter Age	hrs	Client Info		672	204	---
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	15	14	---
Chromium	ppm	ASTM D5185(m)	>4	0	<1	---
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	3	---
Lead	ppm	ASTM D5185(m)	>17	0	2	---
Copper	ppm	ASTM D5185(m)	>70	2	19	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

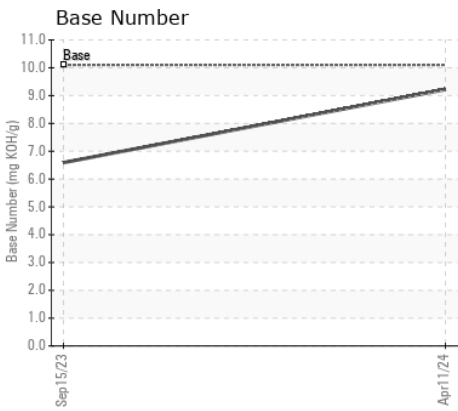
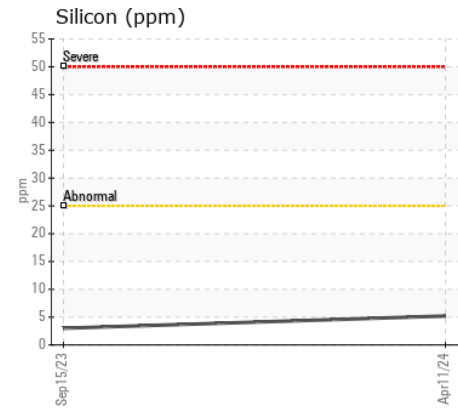
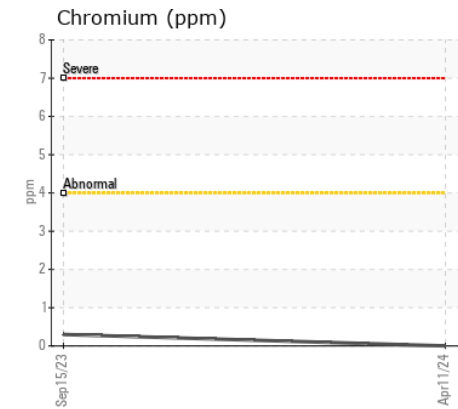
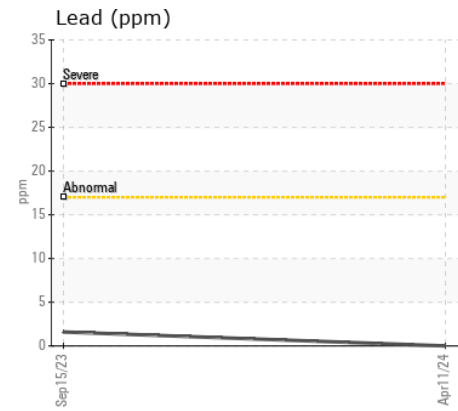
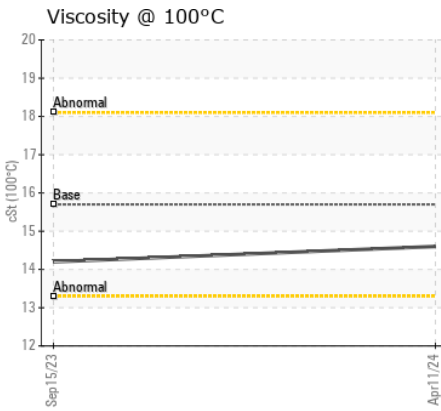
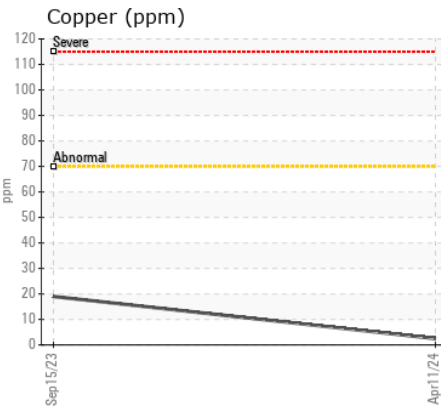
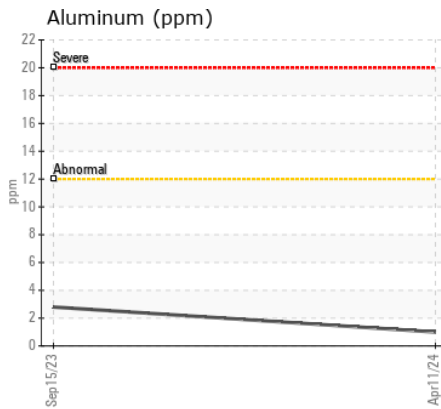
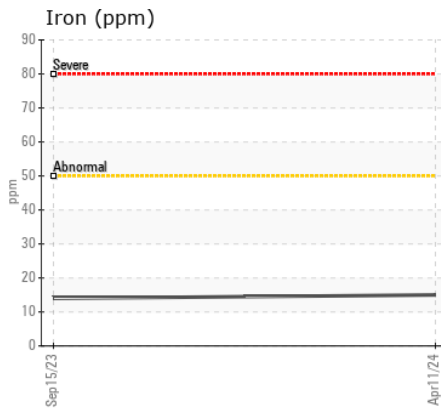
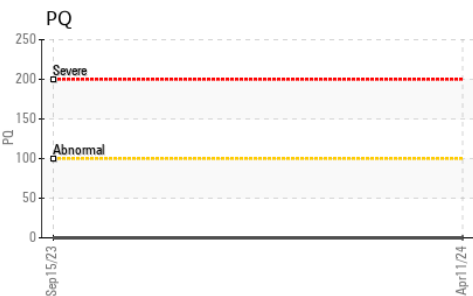
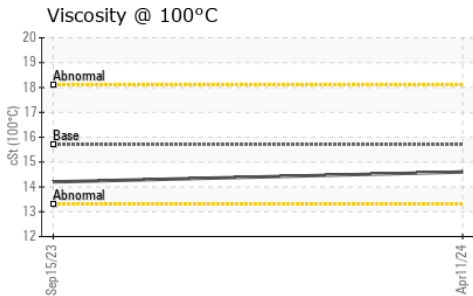
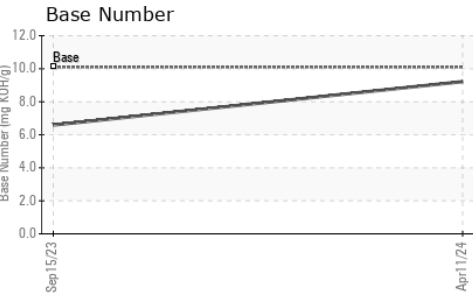
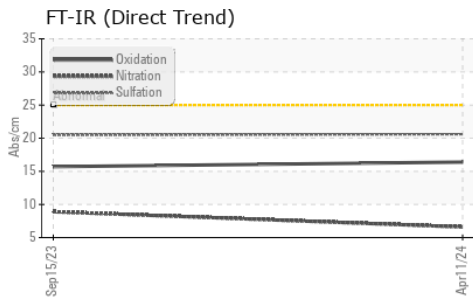
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	3	---
Potassium	ppm	ASTM D5185(m)	>20	5	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*		0.1	0	---
Nitration	Abs/cm	ASTM D7624*	>20	6.6	8.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	20.5	---
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)		6	2	---
Boron	ppm	ASTM D5185(m)	35	120	102	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	29	---
Manganese	ppm	ASTM D5185(m)	0	<1	0	---
Magnesium	ppm	ASTM D5185(m)	10	14	13	---
Calcium	ppm	ASTM D5185(m)	2340	2143	2191	---
Phosphorus	ppm	ASTM D5185(m)	1110	903	1013	---
Zinc	ppm	ASTM D5185(m)	1210	1092	1203	---
Sulfur	ppm	ASTM D5185(m)	3890	2764	3053	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.4	15.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.1	9.22	6.59	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	14.6	14.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000964 **Received** : 18 Apr 2024
Lab Number : 02630050 **Tested** : 19 Apr 2024
Unique Number : 5763182 **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.