



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
G & J FISHERIES LTD
 Machine Id
FISHING VESSEL MV TERRY & SISTERS
 Component
Main Engine
 Fluid
TOTAL FINA RUBIA TIR 7900 15W40 (142 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0001009	WC851998	WC851999
Sample Date		Client Info		27 Sep 2023	06 Oct 2015	01 May 2015
Machine Age	hrs	Client Info		4707	2619	21000
Oil Age	hrs	Client Info		1571	214	662
Filter Age	hrs	Client Info		571	214	500
Oil Changed		Client Info		Changed	Not Changed	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>75	33	11	24
Chromium	ppm	ASTM D5185(m)	>8	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>3	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>15	2	<1	1
Lead	ppm	ASTM D5185(m)	>18	2	<1	1
Copper	ppm	ASTM D5185(m)	>80	3	3	26
Tin	ppm	ASTM D5185(m)	>14	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

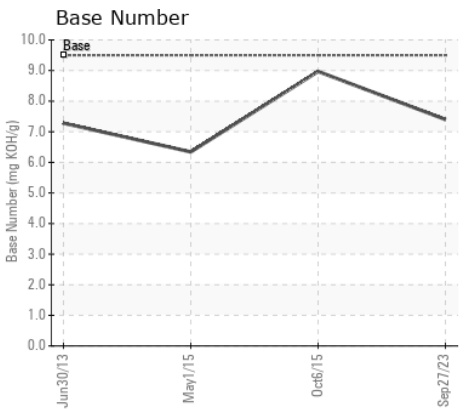
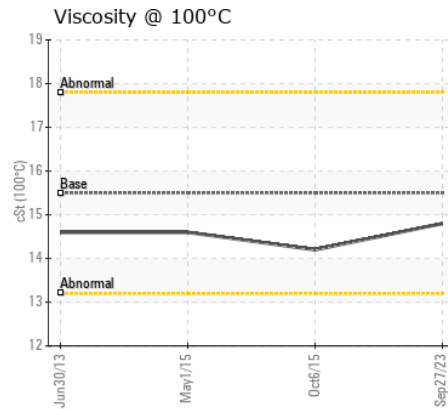
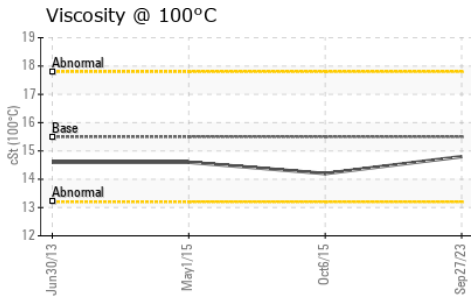
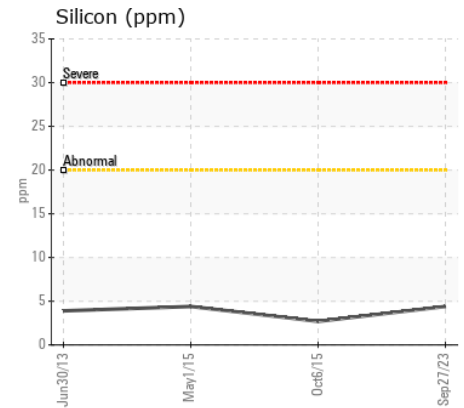
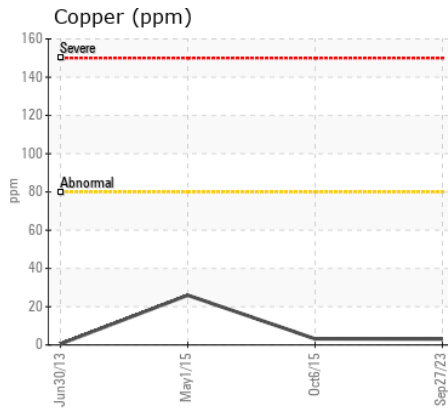
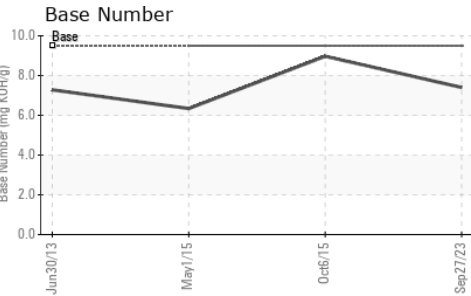
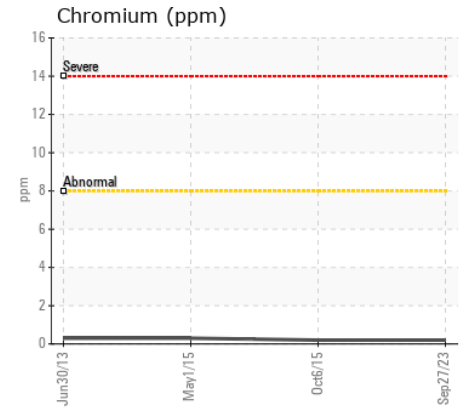
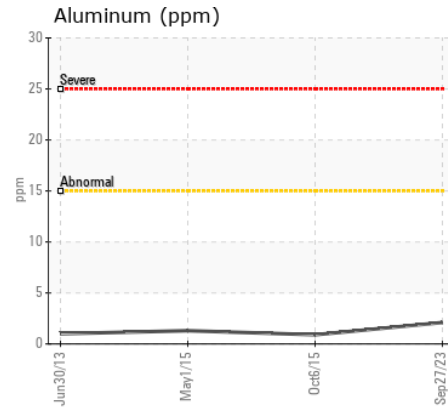
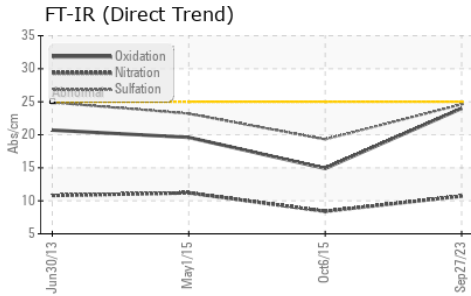
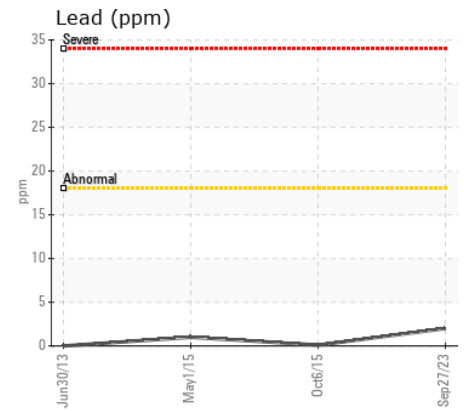
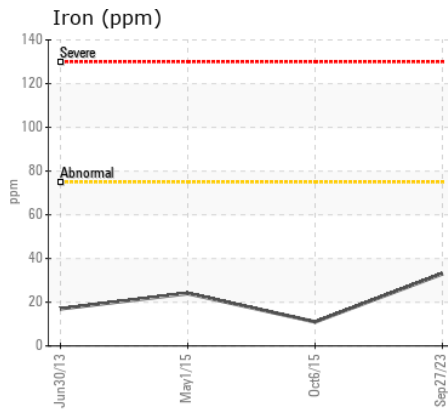
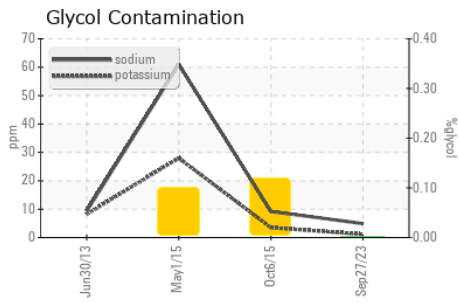
Test for glycol is negative. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	4	3	4
Potassium	ppm	ASTM D5185(m)	>20	1	4	▲ 28
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	▲ 0.12	▲ 0.10
Soot %	%	ASTM D7844*		0.1	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	10.7	8.4	11.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.6	19.3	23.2
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	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)	>75	5	9	● 61
Boron	ppm	ASTM D5185(m)		43	2	9
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		77	39	19
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		17	782	108
Calcium	ppm	ASTM D5185(m)	3290	2285	1251	2025
Phosphorus	ppm	ASTM D5185(m)	1200	1040	1090	916
Zinc	ppm	ASTM D5185(m)	1400	1210	1309	1080
Sulfur	ppm	ASTM D5185(m)	4000	2970	3281	2842
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.0	14.9	19.6
Base Number (BN)	mg KOH/g	ASTM D2896*	9.5	7.40	8.97	6.34
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	14.8	14.2	14.6



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0001009
Lab Number : 02587543
Unique Number : 5656609
Test Package : MOB 2 (Additional Tests: Visual)

Received : 06 Oct 2023
Tested : 11 Oct 2023
Diagnosed : 11 Oct 2023 - Kevin Marson

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