



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Glen & Jerry Fisheries Ltd.
 Machine Id
Fishing Vessel MV Donald`s Legacy
 Component
Main Engine
 Fluid
IRVING IDO PREMIUM PLUS 15W40 (142 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000363	OF0000392	OF0000385
Sample Date		Client Info		04 Oct 2022	08 Jun 2022	03 Mar 2022
Machine Age	hrs	Client Info		18392	17371	1
Oil Age	hrs	Client Info		1692	922	272
Filter Age	hrs	Client Info		770	400	272
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>75	22	9	5
Chromium	ppm	ASTM D5185(m)	>8	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>3	<1	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>15	1	<1	<1
Lead	ppm	ASTM D5185(m)	>18	0	<1	0
Copper	ppm	ASTM D5185(m)	>80	2	2	1
Tin	ppm	ASTM D5185(m)	>14	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

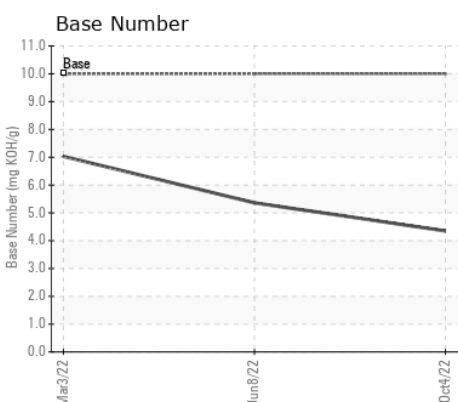
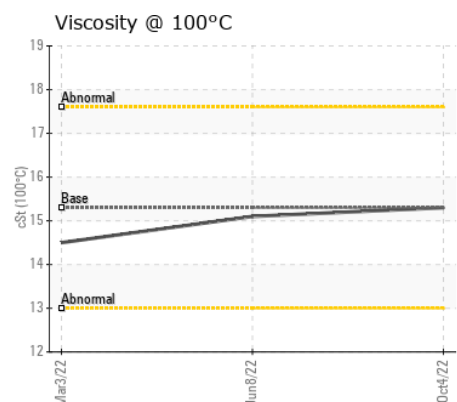
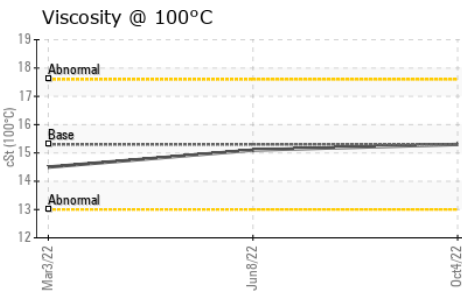
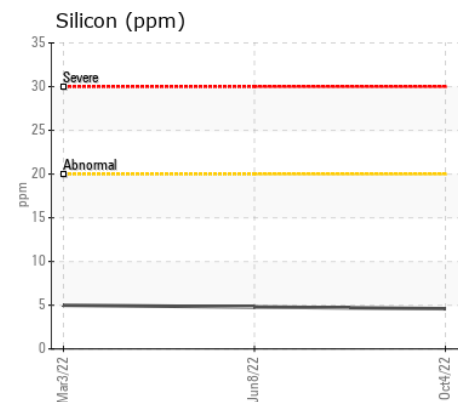
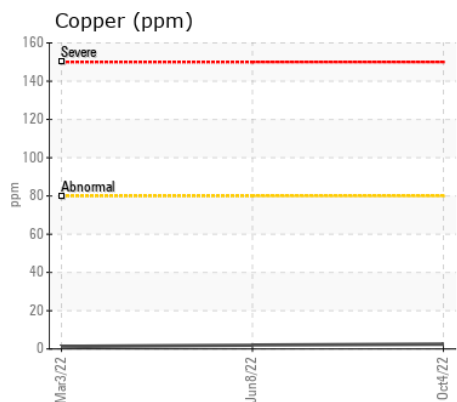
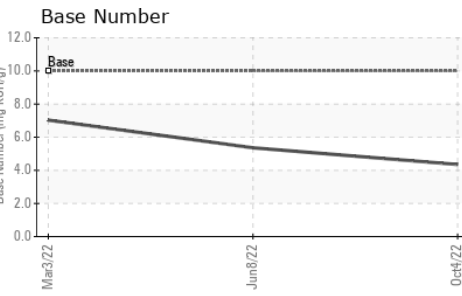
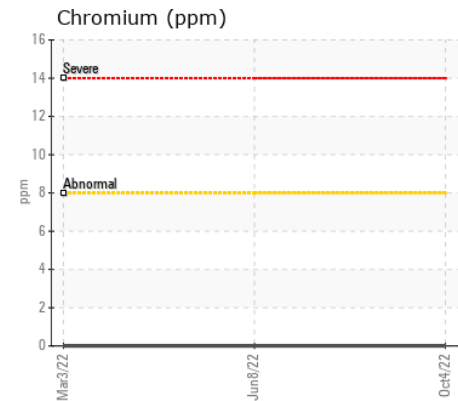
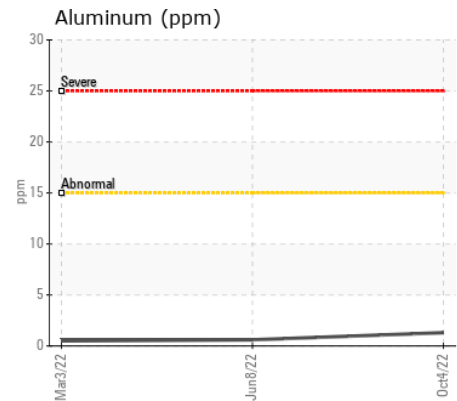
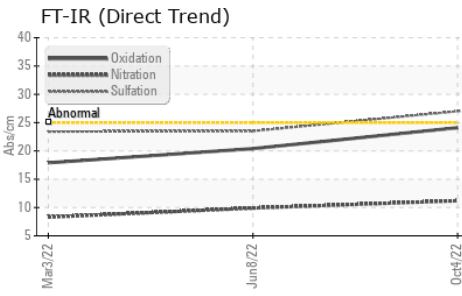
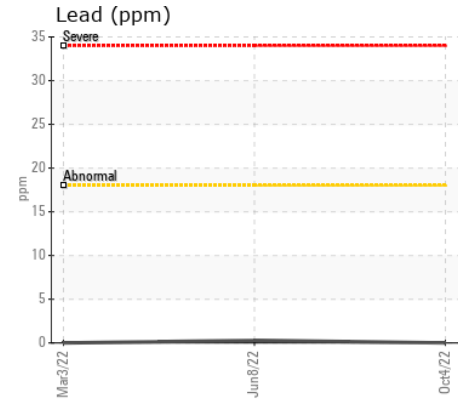
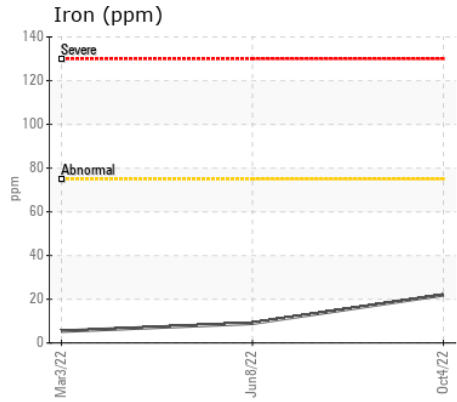
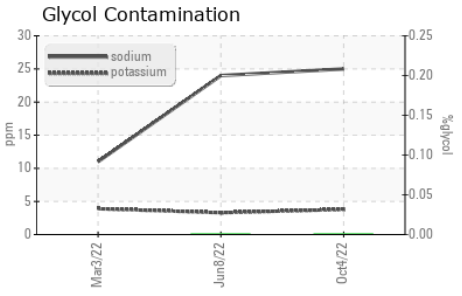
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	5	5	5
Potassium	ppm	ASTM D5185(m)	>20	4	3	4
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	NEG
Soot %	%	ASTM D7844*		0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.2	9.9	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.0	23.5	23.4
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	25	24	11
Boron	ppm	ASTM D5185(m)		39	62	113
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		10	9	10
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)		61	67	81
Calcium	ppm	ASTM D5185(m)		2212	2102	2003
Phosphorus	ppm	ASTM D5185(m)		1036	940	1029
Zinc	ppm	ASTM D5185(m)		1139	1125	1130
Sulfur	ppm	ASTM D5185(m)		2987	3034	2953
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.1	20.4	17.9
Base Number (BN)	mg KOH/g	ASTM D2896*	10	4.35	5.36	7.03
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	15.3	15.1	14.5



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000363
Lab Number : 02518321
Unique Number : 5475301
Test Package : MOB 2 (Additional Tests: Glycol)

Received : 25 Oct 2022
Tested : 26 Oct 2022
Diagnosed : 27 Oct 2022 - 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