



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Glen & Jerry Fisheries Ltd.
 Machine Id
Fishing Vessel MV Donald`s Legacy
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 32 (2000 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
 Comment: Hours on unit is 9000 not 18392)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000362	OF0000366	OF0000388
Sample Date		Client Info		04 Oct 2022	08 Jun 2022	03 Mar 2022
Machine Age	hrs	Client Info		18392	0	8500
Oil Age	hrs	Client Info		4000	8500	3500
Filter Age	hrs	Client Info		300	200	250
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	11	10	11
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)		<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	1	1	1
Lead	ppm	ASTM D5185(m)	>10	1	2	1
Copper	ppm	ASTM D5185(m)	>75	8	8	8
Tin	ppm	ASTM D5185(m)	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	▲ VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

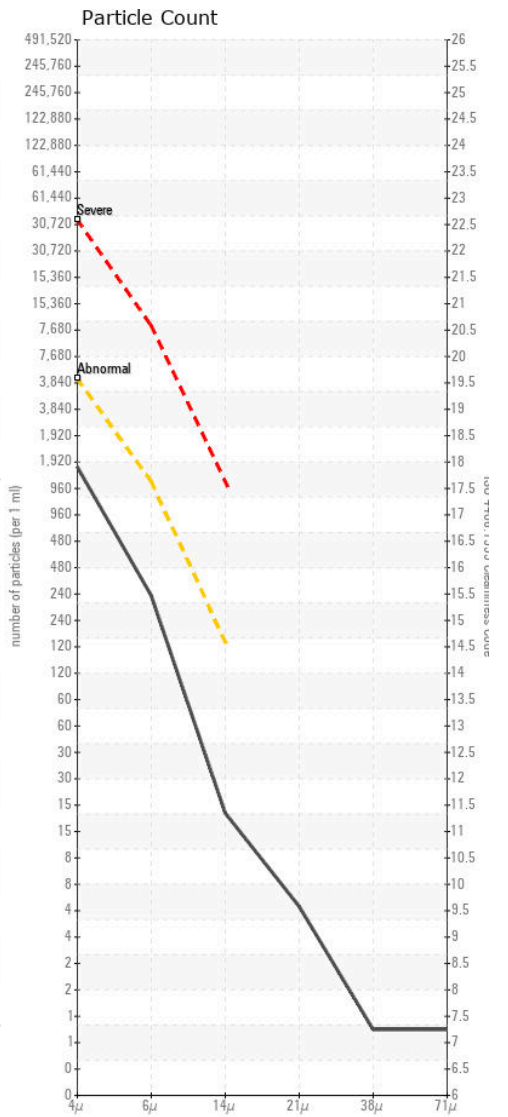
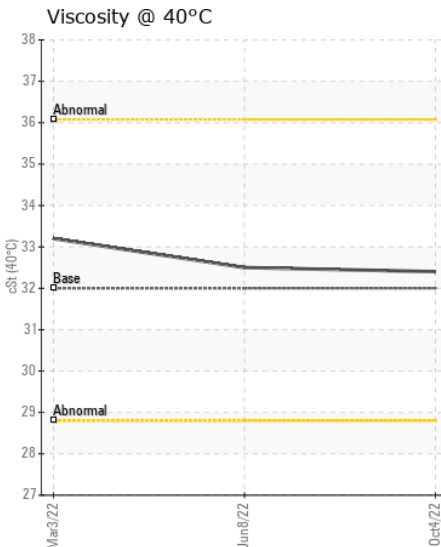
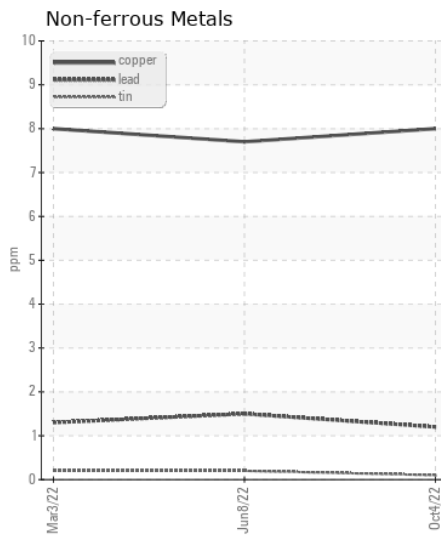
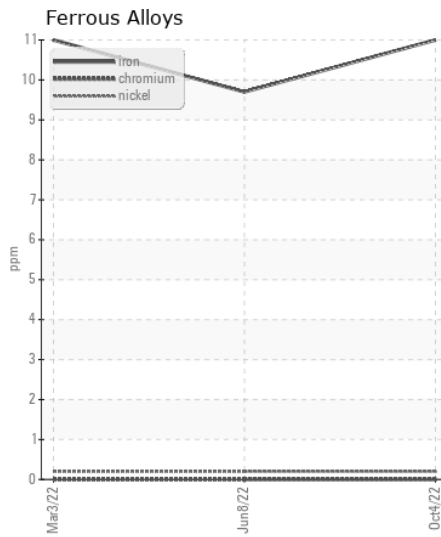
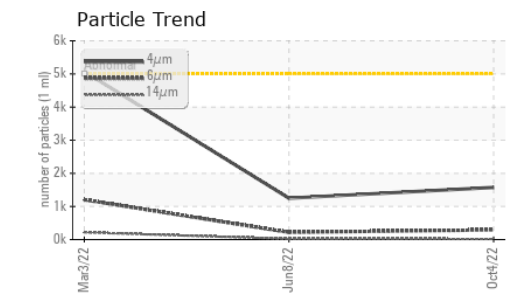
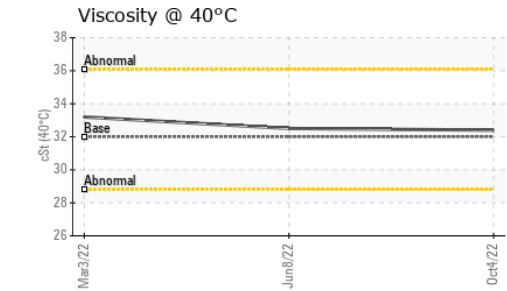
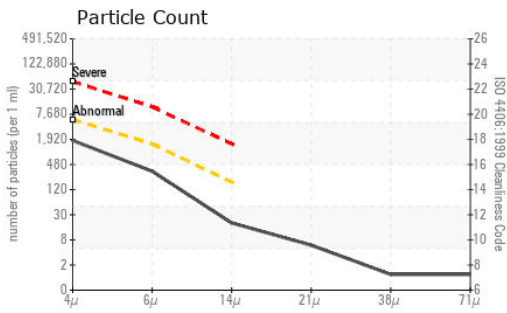
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	1575	1249	● 5073
Particles >6µm		ASTM D7647	>1300	292	218	● 1204
Particles >14µm		ASTM D7647	>160	17	20	● 217
Particles >21µm		ASTM D7647	>40	5	7	▲ 85
Particles >38µm		ASTM D7647	>10	1	1	10
Particles >71µm		ASTM D7647	>3	1	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/11	17/15/11	● 20/17/15
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	▲ LIGHT
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	2	2
Boron	ppm	ASTM D5185(m)	5	10	10	11
Barium	ppm	ASTM D5185(m)	5	33	31	32
Molybdenum	ppm	ASTM D5185(m)	5	3	3	3
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	25	40	39	43
Calcium	ppm	ASTM D5185(m)	200	356	350	356
Phosphorus	ppm	ASTM D5185(m)	300	351	317	347
Zinc	ppm	ASTM D5185(m)	370	370	374	380
Sulfur	ppm	ASTM D5185(m)	2500	2549	2579	2618
Visc @ 40°C	cSt	ASTM D7279(m)	32	32.4	32.5	33.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000362
Lab Number : 02518382
Unique Number : 5475362
Test Package : MOB 2
Received : 25 Oct 2022
Tested : 26 Oct 2022
Diagnosed : 26 Oct 2022 - Kevin Marson

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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.