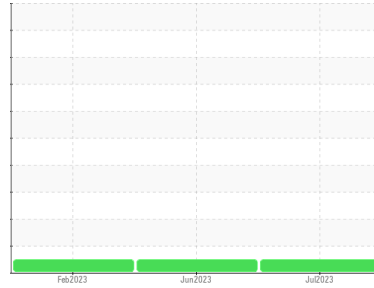




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
L&M HARVESTERS LTD
 Machine Id
FISHING VESSEL MV CINDY MICHELLE
 Component
1 Genset
 Fluid
MOBIL 15W40 (14 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			OF0000632	OF0000628	OF0000940
Sample Date	Client Info			21 Jul 2023	21 Jun 2023	27 Feb 2023
Machine Age	hrs	Client Info		14424	13783	13137
Oil Age	hrs	Client Info		641	646	45
Oil Changed	Client Info			Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>4.0	<1.0	<1.0	<1.0
Glycol	WC Method			NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>50	3	2	<1
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>12	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>17	<1	0	0
Copper	ppm	ASTM D5185(m)	>70	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

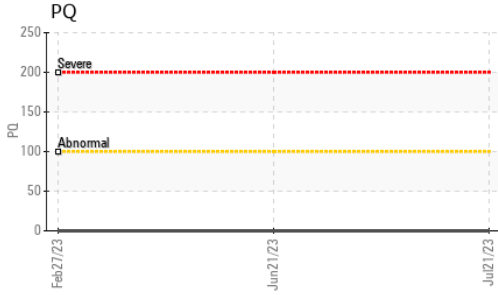
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		1	<1	1
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		62	62	58
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		994	982	943
Calcium	ppm	ASTM D5185(m)		1067	1056	1018
Phosphorus	ppm	ASTM D5185(m)		982	1007	989
Zinc	ppm	ASTM D5185(m)		1190	1181	1142
Sulfur	ppm	ASTM D5185(m)		2485	2586	2608
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	4
Sodium	ppm	ASTM D5185(m)	>118	2	1	2
Potassium	ppm	ASTM D5185(m)	>20	21	0	<1

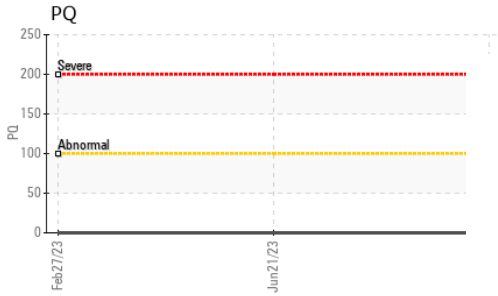
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.9	6.2	4.5
Sulfation	Abs./1mm	ASTM D7415*	>30	19.7	18.6	18.4



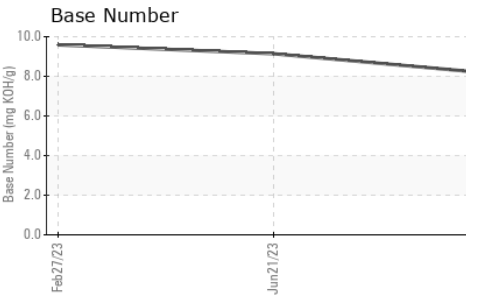
OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.9	13.9	13.2
Base Number (BN)	mg KOH/g	ASTM D2896*		8.16	9.14	9.59

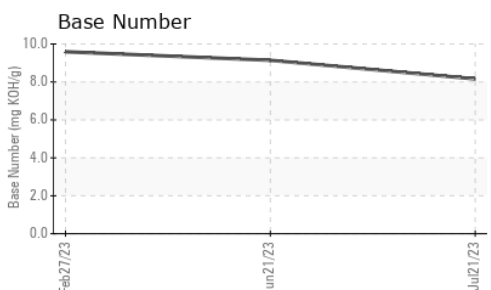
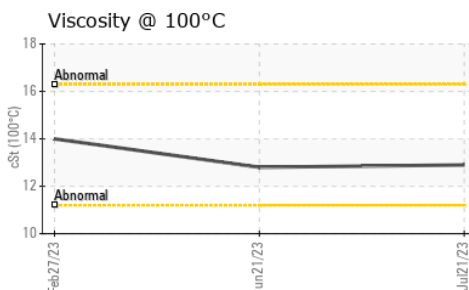
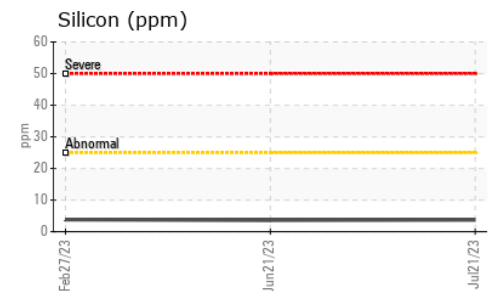
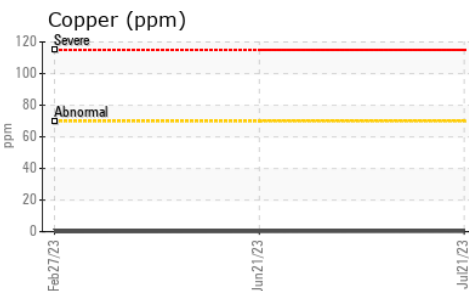
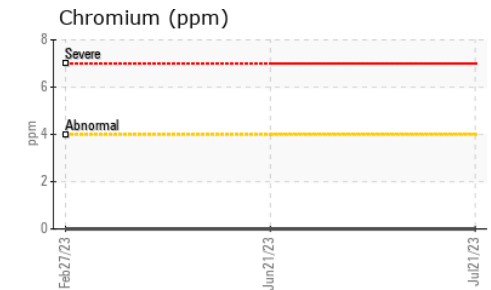
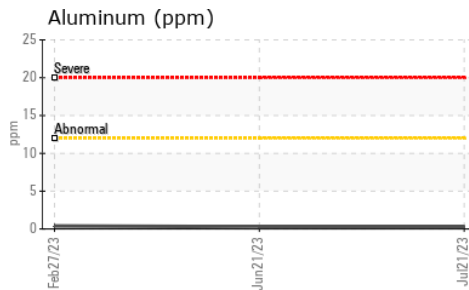
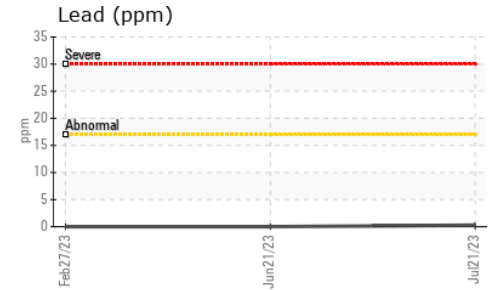
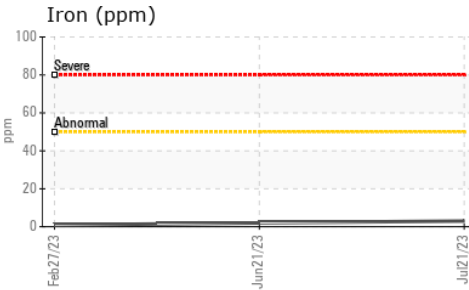


VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.9	12.8	14.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000632 **Received** : 06 Oct 2023
Lab Number : **02587545** **Diagnosed** : 11 Oct 2023
Unique Number : 5656611 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ)

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

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.