



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area
Equipment de Sauvetage/Pont des Embarcations
 Machine Id
10B01A#01 Chaloupe de Sauvetage babord (S/N 17733/001)
 Component
Port Diesel Engine
 Fluid
MOBIL DELVAC 1 5W40 (9 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0829225	WC0751410	WC
Sample Date		Client Info		24 Oct 2023	04 Apr 2023	18 Oct 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	2	6	4
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	2	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	2	2
Lead	ppm	ASTM D5185(m)	>40	<1	2	1
Copper	ppm	ASTM D5185(m)	>330	1	4	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

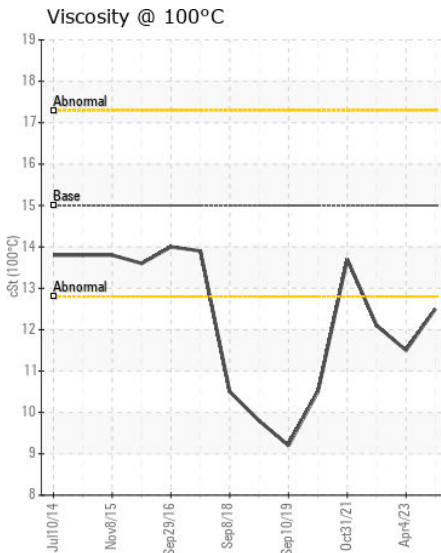
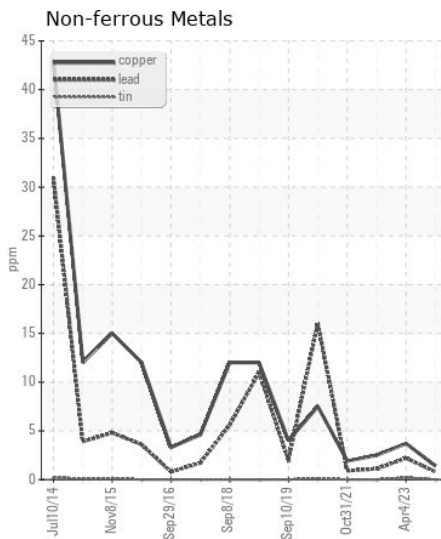
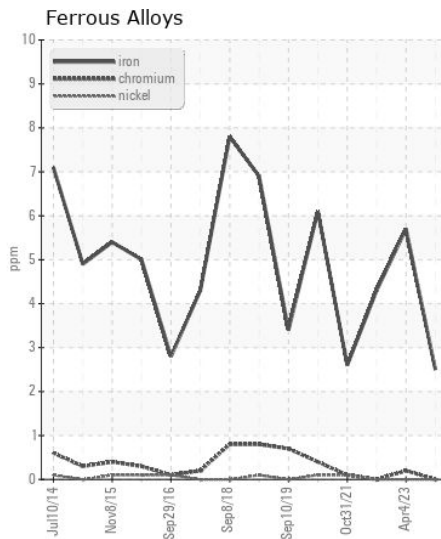
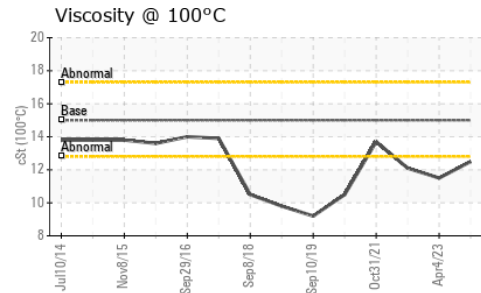
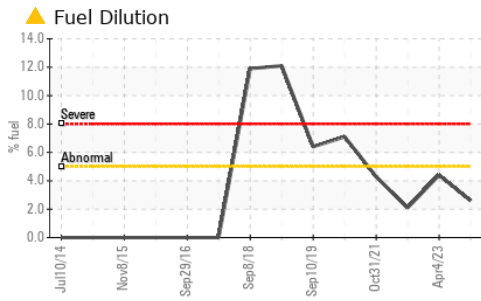
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	13	11
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
Fuel	%	ASTM D7593*	>5	▲ 2.6	▲ 4.4	▲ 2.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.2	7.8	8.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	15.3	14.2	14.9
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	3	3
Boron	ppm	ASTM D5185(m)	291	130	200	205
Barium	ppm	ASTM D5185(m)	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	8.0	40	79	81
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	624	460	975	966
Calcium	ppm	ASTM D5185(m)	2158	1692	1428	1421
Phosphorus	ppm	ASTM D5185(m)	1132	820	852	840
Zinc	ppm	ASTM D5185(m)	1300	935	886	● 879
Sulfur	ppm	ASTM D5185(m)	3616	2413	2020	● 2022
Oxidation	Abs/.1mm	ASTM D7414*	>25	10.3	9.6	10.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	12.5	▲ 11.5	12.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0829225 **Received** : 01 Nov 2023
Lab Number : 02593140 **Tested** : 02 Nov 2023
Unique Number : 5670219 **Diagnosed** : 02 Nov 2023 - Wes Davis
Test Package : MAR 1 (Additional Tests: FuelDilution, PercentFuel)

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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.