



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**TEL5911 (S/N #1 Air Compressor)**  
 Component  
**Air Compressor**  
 Fluid  
**MOBIL RARUS 827 (7 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0836412</b>	WC0784045	WC0705161
Sample Date		Client Info		<b>08 Apr 2024</b>	02 Aug 2023	09 Jul 2022
Machine Age	hrs	Client Info		<b>6170</b>	5633	4602
Oil Age	hrs	Client Info		<b>247</b>	250	48
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	None	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184*		<b>1</b>	▲ 72	0
Iron	ppm	ASTM D5185(m)	>50	<b>21</b>	▲ 100	6
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>4</b>	6	<1
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>40	<b>1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	3
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

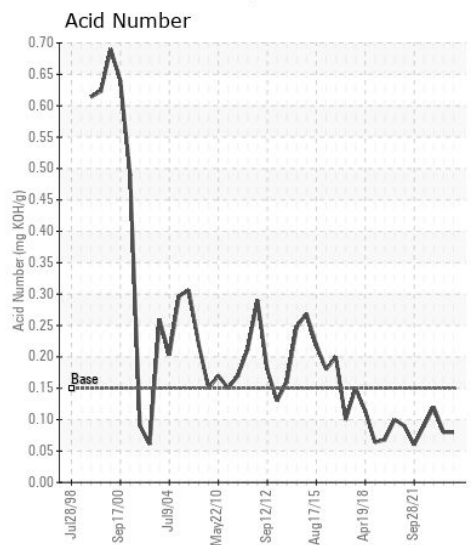
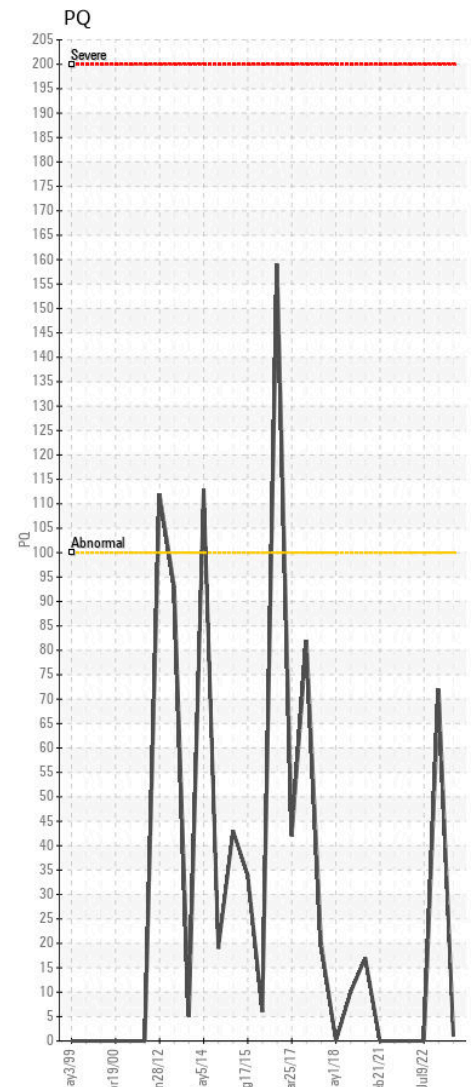
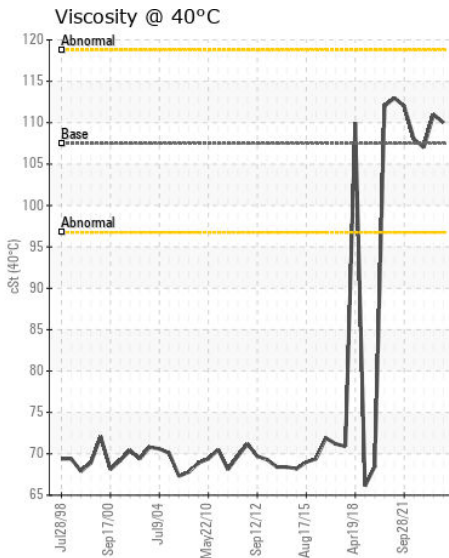
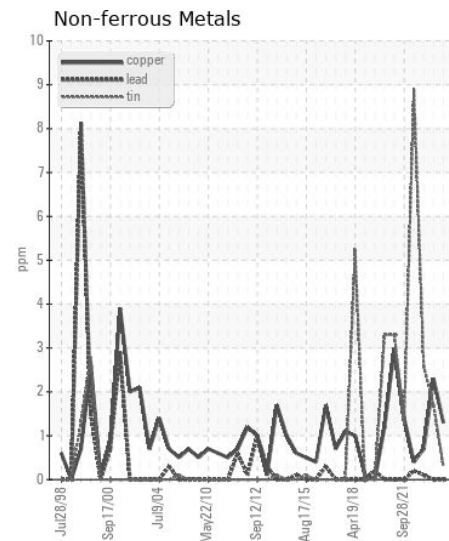
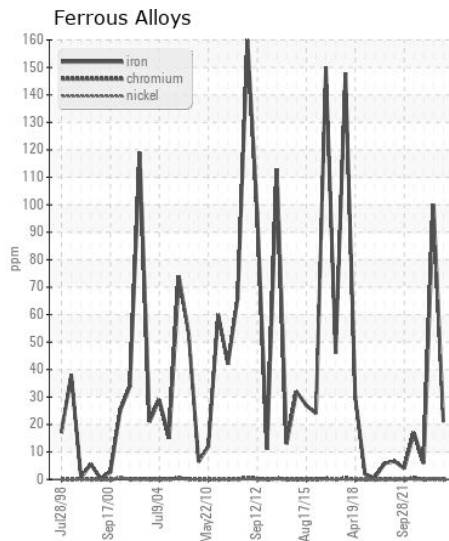
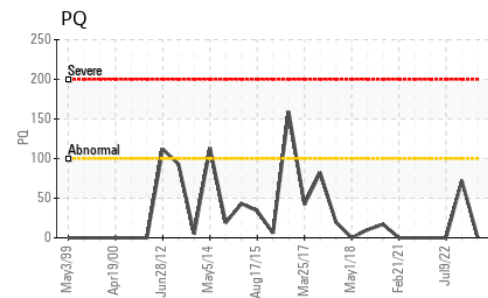
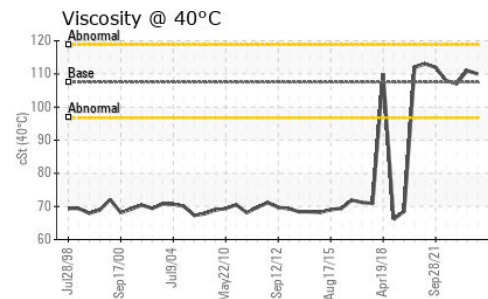
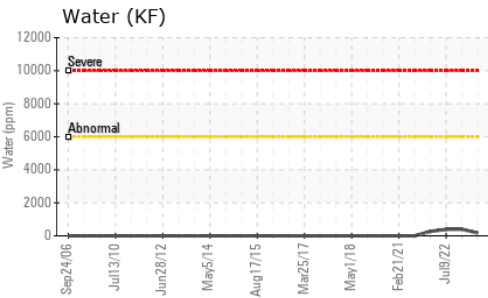
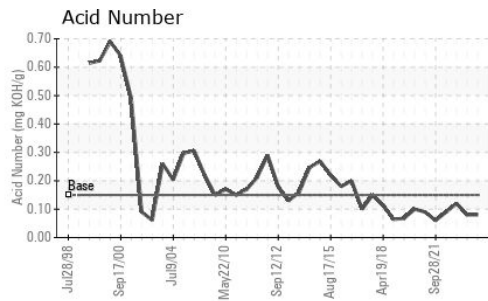
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	4	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Water	%	ASTM D6304*	>0.6	<b>0.016</b>	0.040	0.038
ppm Water	ppm	ASTM D6304*	>6000	<b>162</b>	403.7	388.0
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	0
Calcium	ppm	ASTM D5185(m)		<b>0</b>	4	0
Phosphorus	ppm	ASTM D5185(m)		<b>381</b>	396	385
Zinc	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	<1
Sulfur	ppm	ASTM D5185(m)		<b>10</b>	9	2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.15	<b>0.08</b>	0.08	0.12
Visc @ 40°C	cSt	ASTM D7279(m)	107.5	<b>110</b>	111	107



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0836412 **Received** : 10 Apr 2024  
**Lab Number** : 02627892 **Tested** : 11 Apr 2024  
**Unique Number** : 5761024 **Diagnosed** : 11 Apr 2024 - Wes Davis  
**Test Package** : MAR 2 ( Additional Tests: KF, TAN Man )

**CANADIAN COAST GUARD**  
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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.