



# OIL ANALYSIS REPORT

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

Machine Id  
**EPIROC 914 JUM005**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0940461</b>	WC0913927	WC0902279
Sample Date		Client Info		<b>10 May 2024</b>	24 Mar 2024	21 Mar 2024
Machine Age	hrs	Client Info		<b>1678</b>	2472	1641
Oil Age	hrs	Client Info		<b>250</b>	0	0
Filter Age	hrs	Client Info		<b>250</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>9</b>	6	24
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	4
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

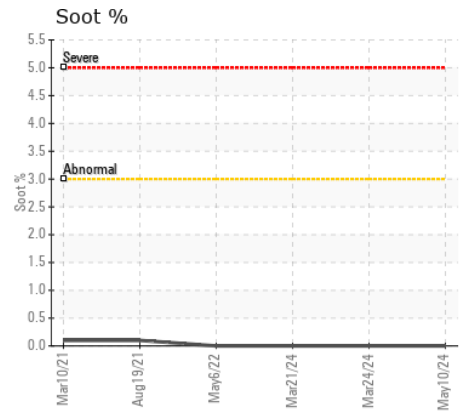
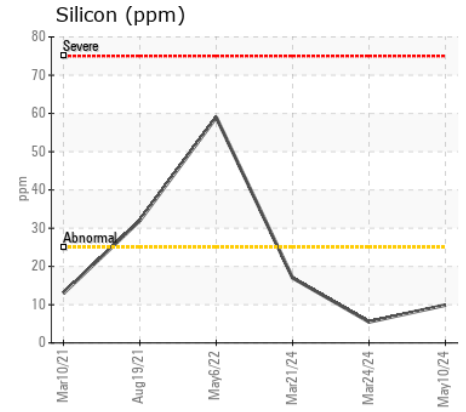
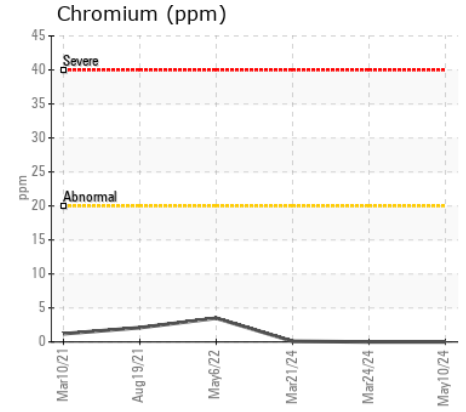
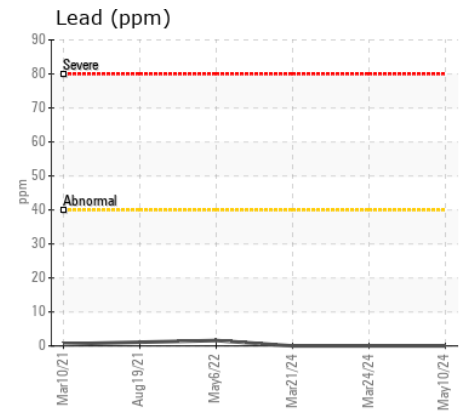
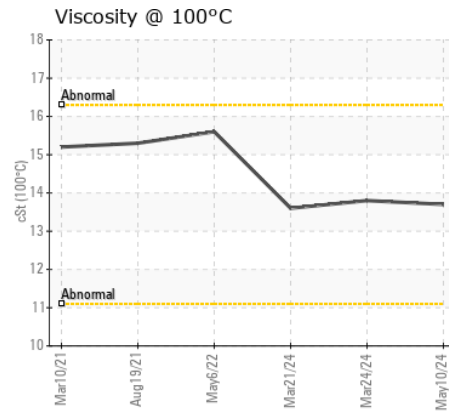
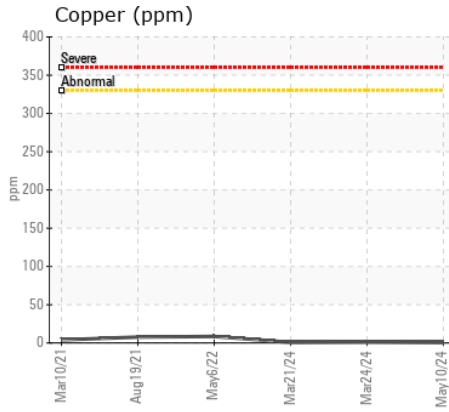
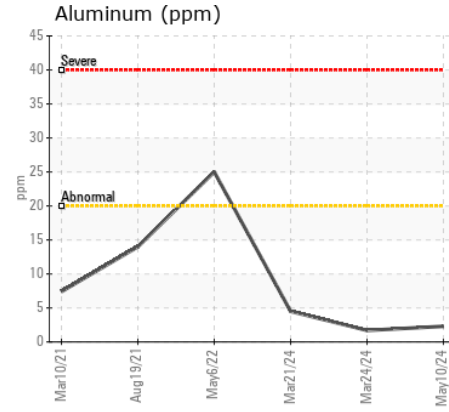
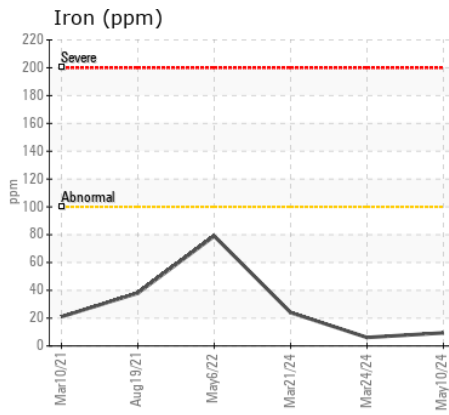
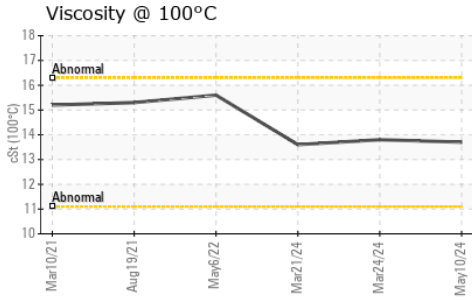
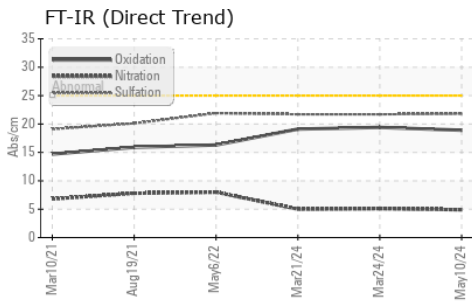
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>10</b>	6	17
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	2
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.9</b>	5.1	5.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.8</b>	21.7	21.7
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>50	<b>4</b>	2	6
Boron	ppm	ASTM D5185(m)		<b>64</b>	61	62
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>38</b>	38	38
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>490</b>	485	490
Calcium	ppm	ASTM D5185(m)		<b>1678</b>	1611	1664
Phosphorus	ppm	ASTM D5185(m)		<b>712</b>	730	717
Zinc	ppm	ASTM D5185(m)		<b>834</b>	851	853
Sulfur	ppm	ASTM D5185(m)		<b>2023</b>	2076	2093
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.9</b>	19.4	19.1
Visc @ 100°C	cSt	ASTM D7279(m)		<b>13.7</b>	13.8	13.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0940461  
**Lab Number** : 02635528  
**Unique Number** : 5776681  
**Test Package** : MOB 1  
**Received** : 15 May 2024  
**Tested** : 15 May 2024  
**Diagnosed** : 15 May 2024 - Wes Davis

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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.