



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**EPIROC BOOMER 282 JUM024**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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		<b>WC0881710</b>	---	---
Sample Date	Client Info		<b>06 Dec 2023</b>	---	---
Machine Age	hrs	Client Info	<b>312</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	---	---
Water	WC Method	>0.2	<b>NEG</b>	---	---
Glycol	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>11</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m) >40	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >330	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	<b>93</b>	---	---
Barium	ppm	ASTM D5185(m) 10	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 100	<b>41</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m) 450	<b>411</b>	---	---
Calcium	ppm	ASTM D5185(m) 3000	<b>1885</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	<b>778</b>	---	---
Zinc	ppm	ASTM D5185(m) 1350	<b>901</b>	---	---
Sulfur	ppm	ASTM D5185(m) 4250	<b>2683</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

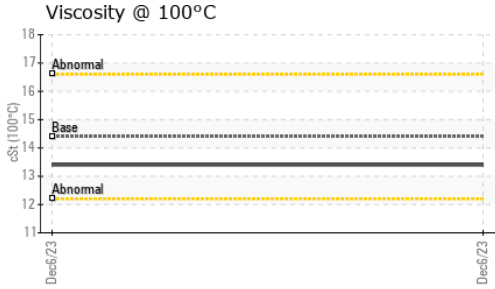
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>13</b>	---	---
Sodium	ppm	ASTM D5185(m) >158	<b>3</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>6.1</b>	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	<b>21.7</b>	---	---



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### FLUID DEGRADATION

Method	Limit/Base	Current	History1	History2
Abs./1mm	ASTM D7414*	>25	---	---

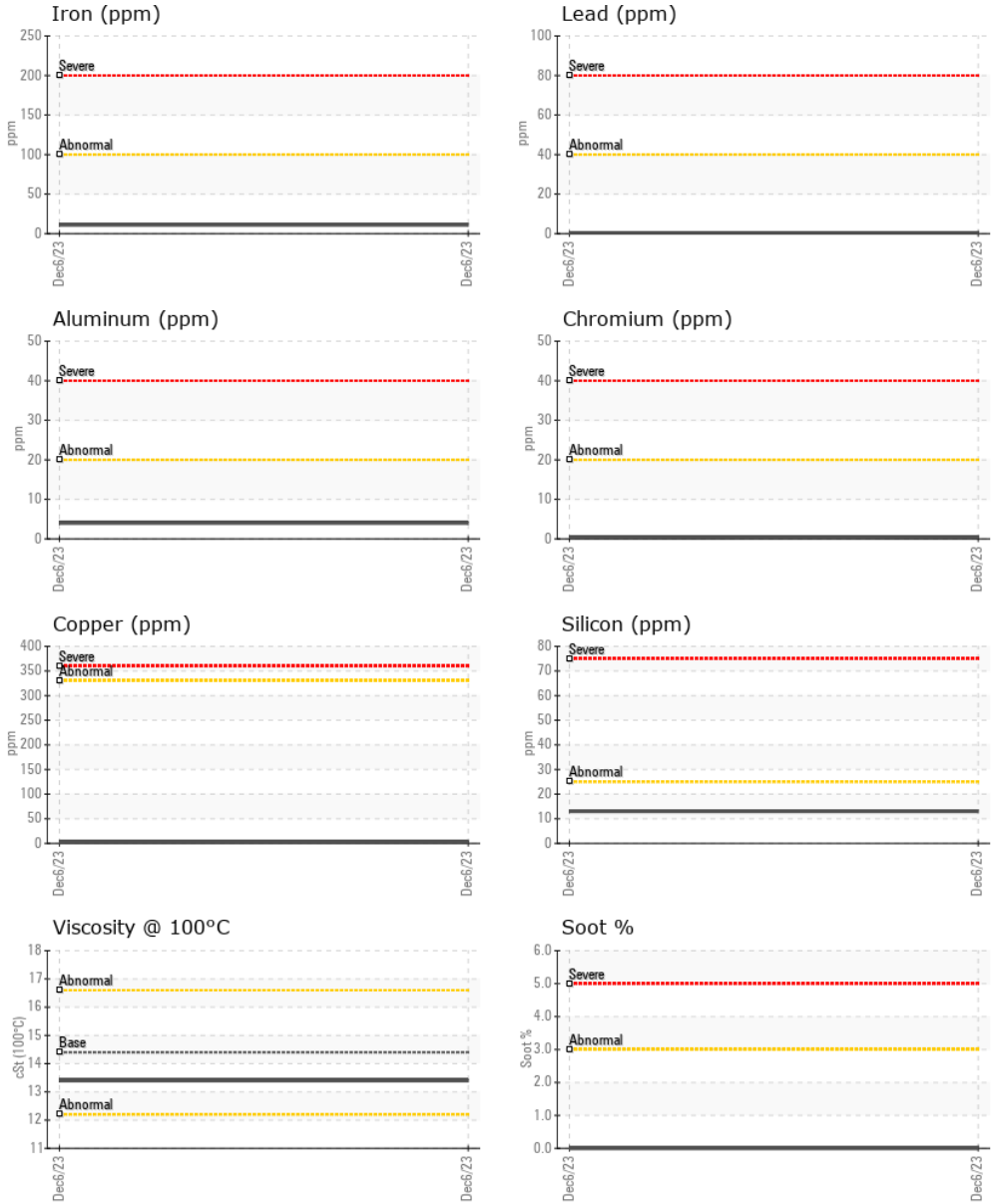
### VISUAL

Method	Limit/Base	Current	History1	History2
scalar	Visual*	>0.2	---	---
scalar	Visual*	NEG	---	---

### FLUID PROPERTIES

Method	Limit/Base	Current	History1	History2
cSt	ASTM D7279(m)	14.4	---	---

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0881710  
**Lab Number** : 02602174  
**Unique Number** : 5695259  
**Test Package** : MOB 1

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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.