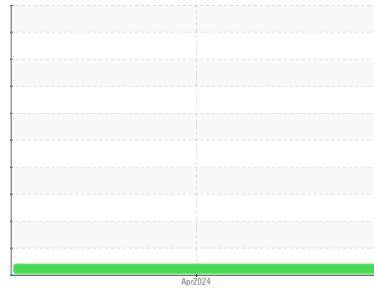




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id

## EPIROC ST7 SCP212

Component

Diesel Engine

Fluid

SAE 15W40 (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

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

#### Wear

All component wear rates are normal.

#### Contamination

Light fuel dilution occurring. The water content is negligible. No other contaminants were detected in the oil.

#### ▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0928366	---	---
Sample Date	Client Info		04 Apr 2024	---	---
Machine Age	hrs	Client Info	7606	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	13	---
Chromium	ppm	ASTM D5185(m)	>20	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>3	0	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---
Lead	ppm	ASTM D5185(m)	>40	0	---
Copper	ppm	ASTM D5185(m)	>330	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		66	---
Barium	ppm	ASTM D5185(m)		0	---
Molybdenum	ppm	ASTM D5185(m)		37	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)		494	---
Calcium	ppm	ASTM D5185(m)		1671	---
Phosphorus	ppm	ASTM D5185(m)		752	---
Zinc	ppm	ASTM D5185(m)		863	---
Sulfur	ppm	ASTM D5185(m)		2240	---
Lithium	ppm	ASTM D5185(m)		<1	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	---
Sodium	ppm	ASTM D5185(m)	>57	3	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---
Fuel	%	ASTM D7593*	>5	1	---
Water	%	ASTM D6304*	>0.2	0.031	---
ppm Water	ppm	ASTM D6304*	>2000	310	---
Glycol	%	ASTM D7922*		0.0	---

### INFRA-RED

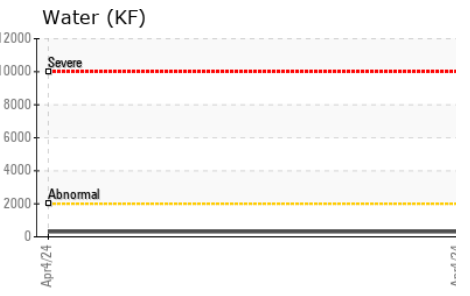
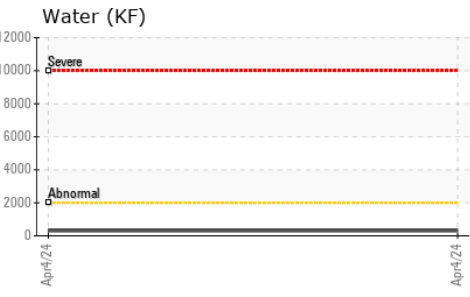
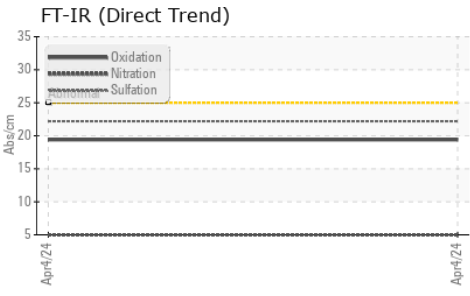
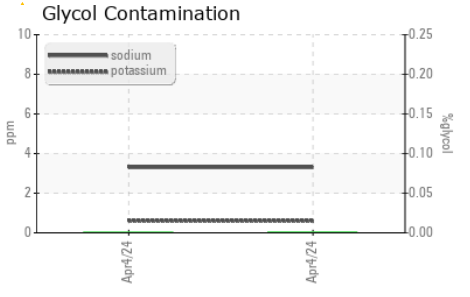
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	---
Nitration	Abs/cm	ASTM D7624*	>20	5.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.2	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.4	---



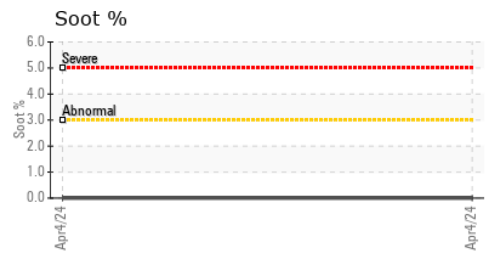
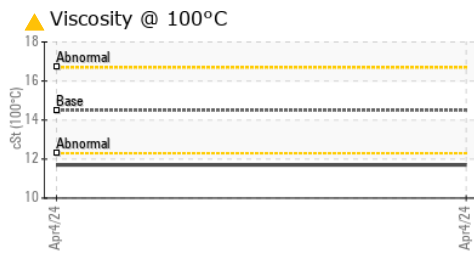
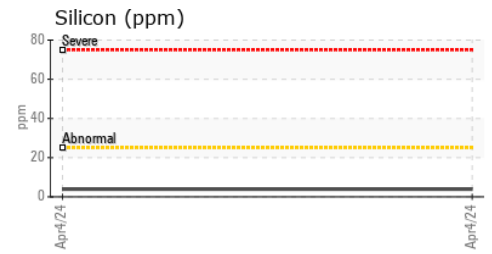
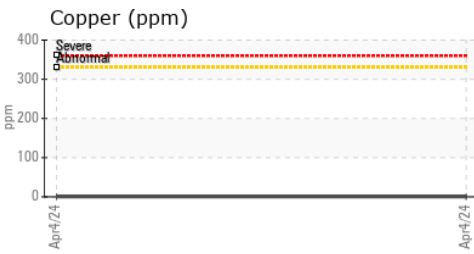
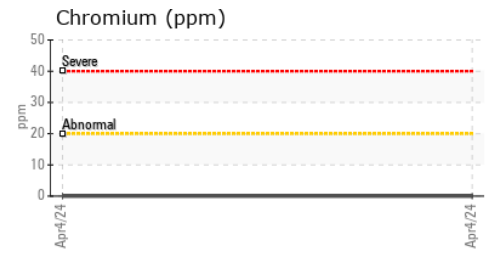
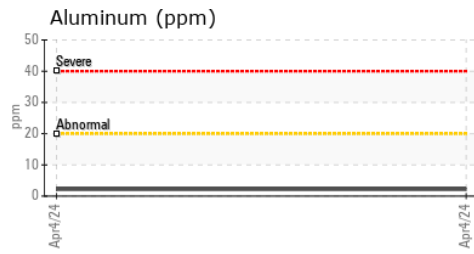
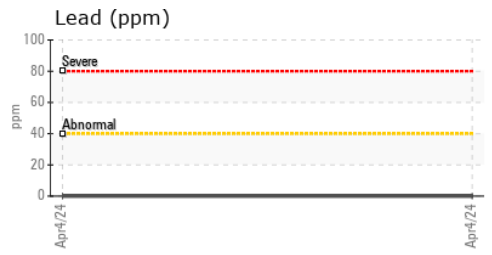
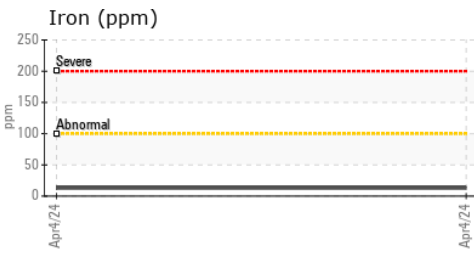
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	▲ 11.7	---

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0928366  
**Lab Number** : 02627799  
**Unique Number** : 5760931  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, Glycol, KF, PercentFuel, Visual )

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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.