



OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
VOLVO 2000ORANGEVOLVO

Component
Diesel Engine
Fluid
SAE 0W40 (--- LTR)

DIAGNOSIS

▲ Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0884222	---	---
Sample Date	Client Info		12 Mar 2024	---	---
Machine Age	hrs	Client Info	300494	---	---
Oil Age	hrs	Client Info	7494	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	13	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>2	0	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---
Lead	ppm	ASTM D5185(m)	>40	1	---
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)		60	---
Barium	ppm	ASTM D5185(m)		0	---
Molybdenum	ppm	ASTM D5185(m)		75	---
Manganese	ppm	ASTM D5185(m)		0	---
Magnesium	ppm	ASTM D5185(m)		21	---
Calcium	ppm	ASTM D5185(m)		1572	---
Phosphorus	ppm	ASTM D5185(m)		679	---
Zinc	ppm	ASTM D5185(m)		780	---
Sulfur	ppm	ASTM D5185(m)		3168	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

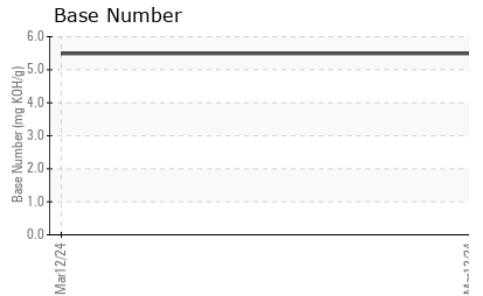
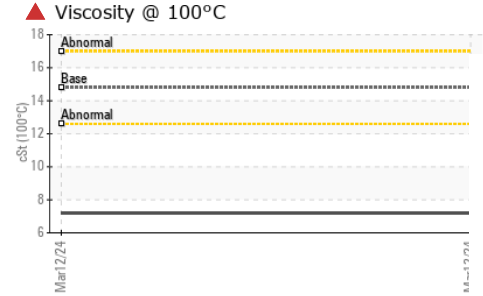
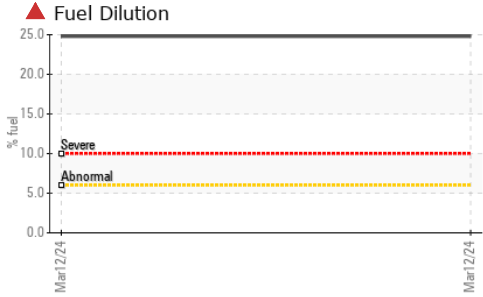
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	---
Sodium	ppm	ASTM D5185(m)		<1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---
Fuel	%	ASTM D7593*	>6.0	▲ 24.8	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	8.8	---
Sulfation	Abs./1mm	ASTM D7415*	>30	28.9	---



OIL ANALYSIS REPORT

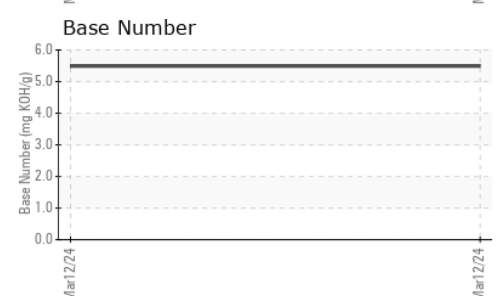
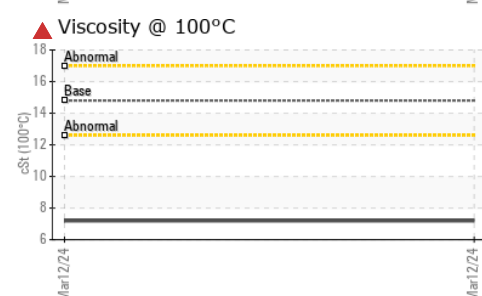
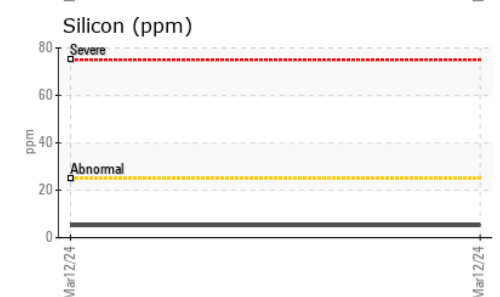
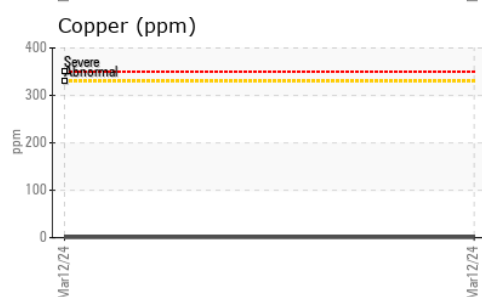
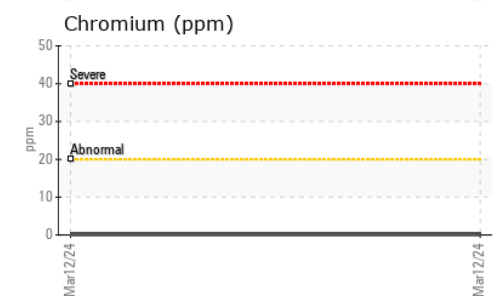
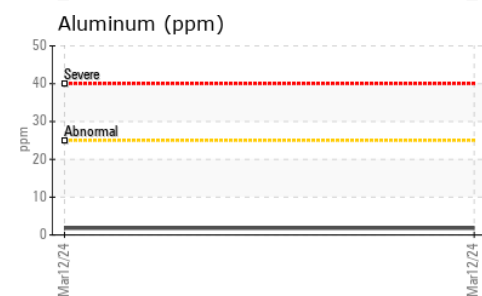
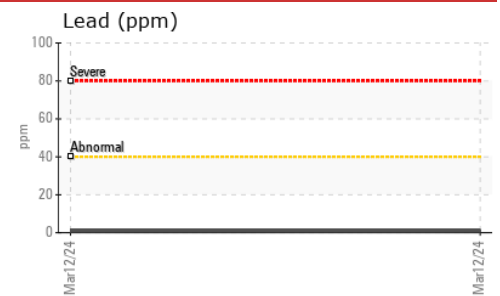
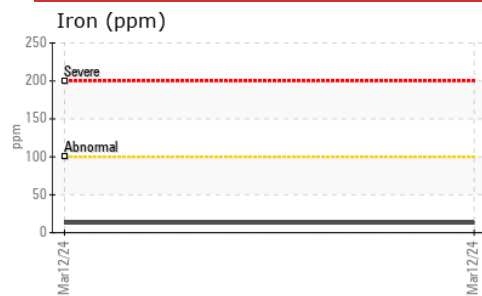


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	33.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		5.49	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	▲ 7.2	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0884222 **Received** : 22 Mar 2024
Lab Number : **02623893** **Tested** : 26 Mar 2024
Unique Number : 5749012 **Diagnosed** : 26 Mar 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

Silver Wings Farm & Seed Cleaning Ltd
 RR1 Site 5 Box 4
 Waskatenau, AB
 CA T0A 3P0
 Contact: Jordan Boychuk
 jordanbch@gmail.com

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.