



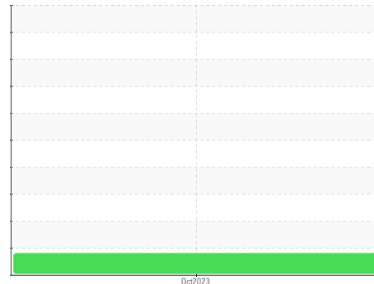
OIL ANALYSIS REPORT

Sample Rating Trend

CONTAMINANT



Machine Id
VOLVO G940B FWFNGRADER
 Component
Right Tandem
 Fluid
VOLVO WB 101 (--- GAL)



DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

The sample contained a visible layer of foreign fluid contaminant, the origin and/or type of fluid is unknown.

Fluid Condition

The oil viscosity is higher than typical. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0659944	---	---
Sample Date	Client Info		11 Oct 2023	---	---
Machine Age	hrs	Client Info	3500	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >1000	275	---	---
Chromium	ppm	ASTM D5185(m) >10	<1	---	---
Nickel	ppm	ASTM D5185(m) >5	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >20	2	---	---
Lead	ppm	ASTM D5185(m) >50	1	---	---
Copper	ppm	ASTM D5185(m) >50	1	---	---
Tin	ppm	ASTM D5185(m) >5	0	---	---
Antimony	ppm	ASTM D5185(m) >5	<1	---	---
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) 100	48	---	---
Barium	ppm	ASTM D5185(m) 0	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 0	32	---	---
Manganese	ppm	ASTM D5185(m)	2	---	---
Magnesium	ppm	ASTM D5185(m) 0	12	---	---
Calcium	ppm	ASTM D5185(m) 3800	3119	---	---
Phosphorus	ppm	ASTM D5185(m) 1200	1038	---	---
Zinc	ppm	ASTM D5185(m) 1500	1342	---	---
Sulfur	ppm	ASTM D5185(m) 6500	4784	---	---
Lithium	ppm	ASTM D5185(m)	2	---	---

CONTAMINANTS

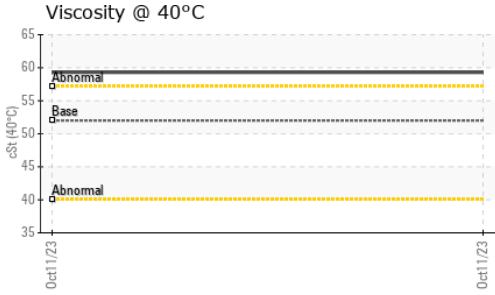
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	17	---	---
Sodium	ppm	ASTM D5185(m)	159	---	---
Potassium	ppm	ASTM D5185(m) >20	21	---	---

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	NONE	---	---
Sand/Dirt	scalar	Visual* NONE	VLITE	---	---
Appearance	scalar	Visual* NORML	▲ LAYRD	---	---
Odor	scalar	Visual* NORML	NORML	---	---
Emulsified Water	scalar	Visual* >0.2	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---



OIL ANALYSIS REPORT

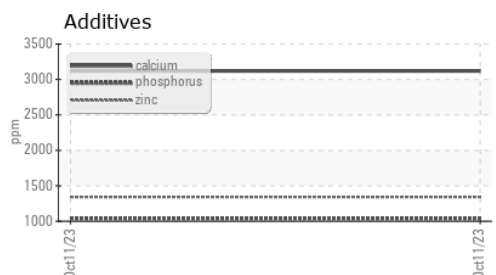
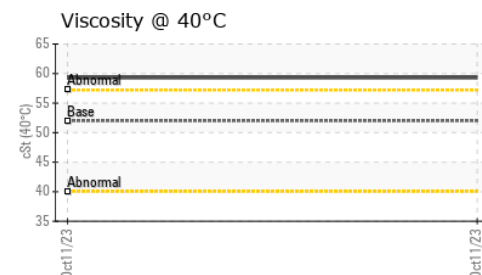
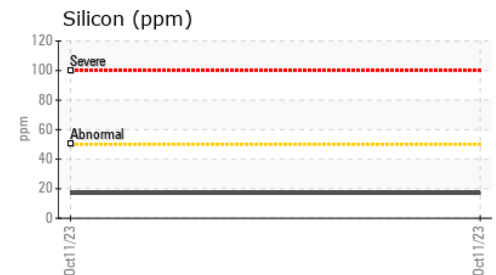
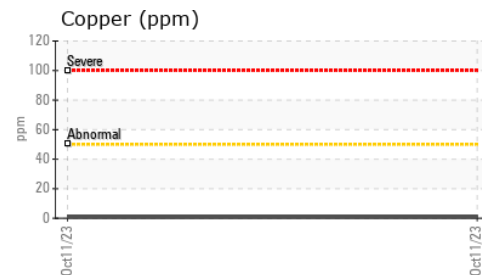
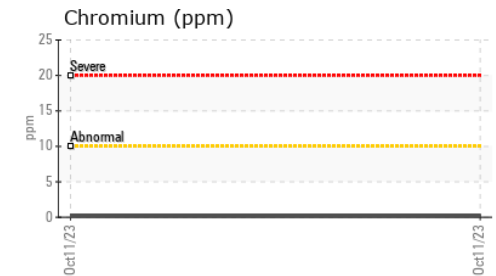
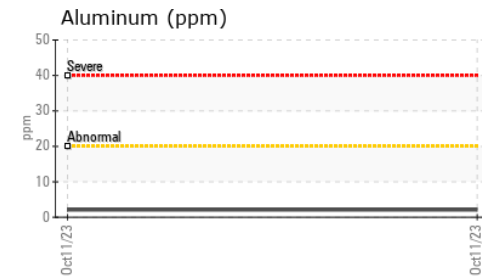
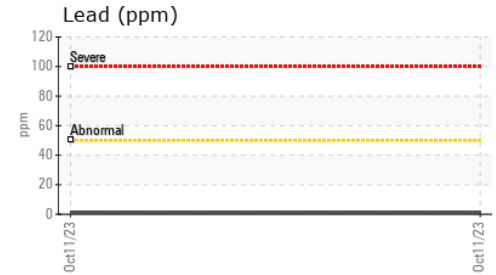
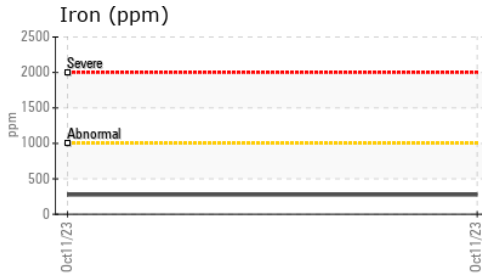


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	52.0	59.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0659944 **Received** : 12 Oct 2023
Lab Number : **02588714** **Diagnosed** : 16 Oct 2023
Unique Number : 5657780 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: CENTRIFUGE(WARD))

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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.