



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**WMR-Salt Lake City [SW-35456-2]**

Machine Id  
**315503 VOLVO EC380E 315503**

Component  
**Swing Drive**

Fluid  
**VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP454323</b>	DJJ0009440	---
Sample Date		Client Info		<b>01 Jul 2024</b>	28 Dec 2023	---
Machine Age	hrs	Client Info		<b>1270</b>	601	---
Oil Age	hrs	Client Info		<b>670</b>	601	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	<b>61</b>	180	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>4</b>	13	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

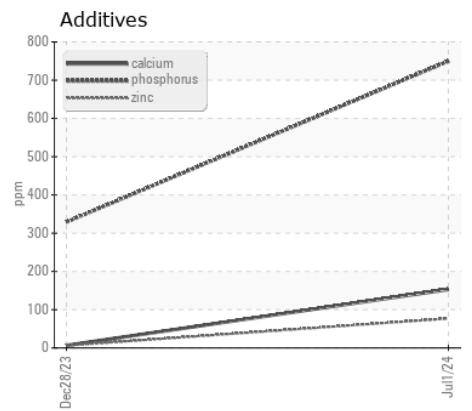
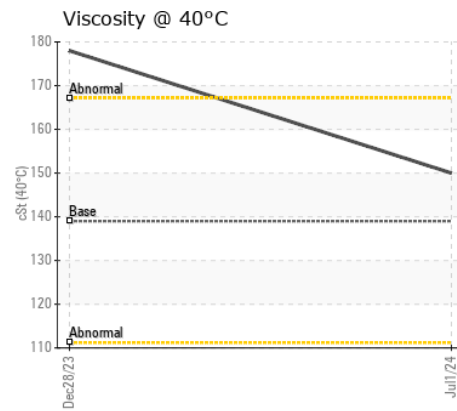
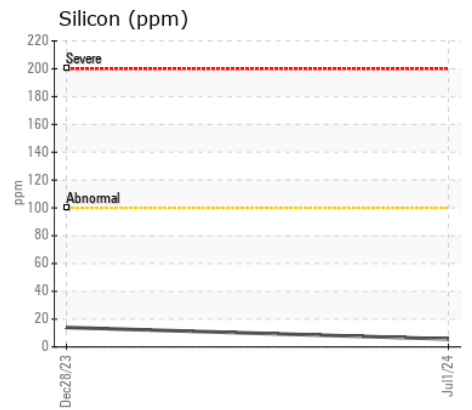
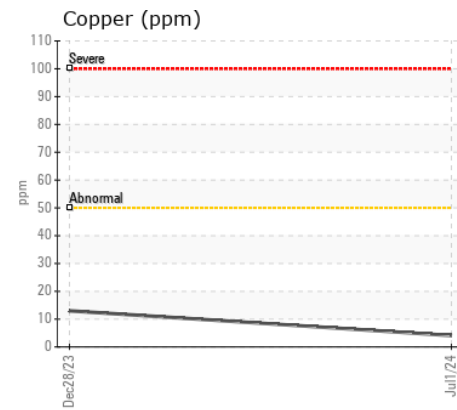
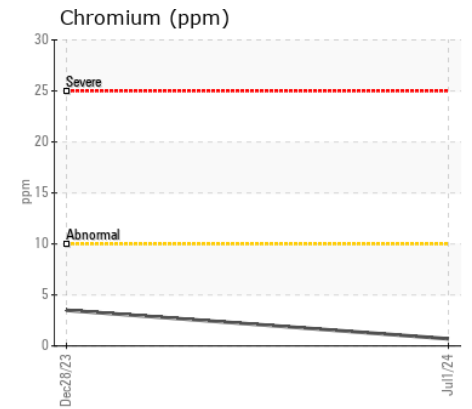
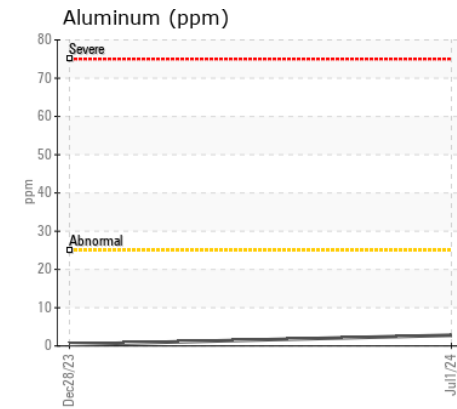
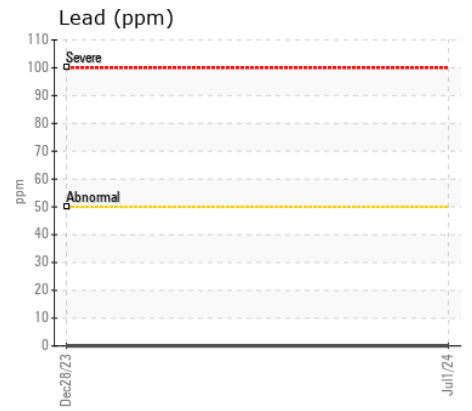
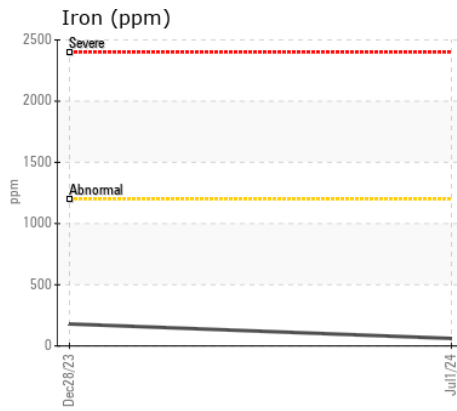
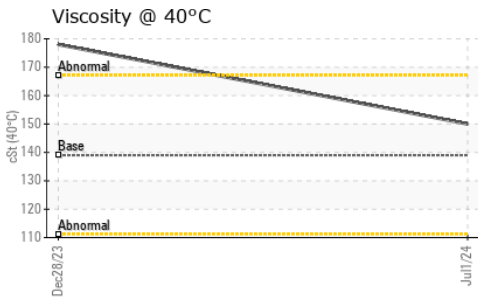
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>6</b>	14	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Water		WC Method	>0.25	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.25	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	2	---
Boron	ppm	ASTM D5185m	379	<b>121</b>	0	---
Barium	ppm	ASTM D5185m	0.0	<b>2</b>	2	---
Molybdenum	ppm	ASTM D5185m	0.8	<b>134</b>	0	---
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	4	---
Magnesium	ppm	ASTM D5185m	31	<b>8</b>	<1	---
Calcium	ppm	ASTM D5185m	38	<b>153</b>	7	---
Phosphorus	ppm	ASTM D5185m	1077	<b>750</b>	329	---
Zinc	ppm	ASTM D5185m	46	<b>77</b>	6	---
Sulfur	ppm	ASTM D5185m	23526	<b>15030</b>	14918	---
Visc @ 40°C	cSt	ASTM D445	139	<b>150</b>	178	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP454323  
**Lab Number** : 06235246  
**Unique Number** : 11124080  
**Test Package** : MOB 1

**Received** : 12 Jul 2024  
**Tested** : 15 Jul 2024  
**Diagnosed** : 15 Jul 2024 - Sean Felton

**WESTERN METALS RECYCLING - SALT LAKE CITY**  
 4221 WEST 700 SOUTH  
 SALT LAKE CITY, UT  
 US 84104

Contact: TIMOTHY SHEFFIELD  
 timothy.sheffield@wmrecycling.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (801)373-4225  
 F: (801)975-9590