



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
WMR-Salt Lake City
 Machine Id
315503 VOLVO EC380E 315503
 Component
Swing Drive
 Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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		DJJ0009440	---	---
Sample Date	Client Info		28 Dec 2023	---	---
Machine Age	hrs	Client Info	601	---	---
Oil Age	hrs	Client Info	601	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.25	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	180	---	---
Chromium	ppm	ASTM D5185m >10	4	---	---
Nickel	ppm	ASTM D5185m >10	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	<1	---	---
Lead	ppm	ASTM D5185m >50	0	---	---
Copper	ppm	ASTM D5185m >50	13	---	---
Tin	ppm	ASTM D5185m >10	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 379	0	---	---
Barium	ppm	ASTM D5185m 0.0	2	---	---
Molybdenum	ppm	ASTM D5185m 0.8	0	---	---
Manganese	ppm	ASTM D5185m 0.0	4	---	---
Magnesium	ppm	ASTM D5185m 31	<1	---	---
Calcium	ppm	ASTM D5185m 38	7	---	---
Phosphorus	ppm	ASTM D5185m 1077	329	---	---
Zinc	ppm	ASTM D5185m 46	6	---	---
Sulfur	ppm	ASTM D5185m 23526	14918	---	---

CONTAMINANTS

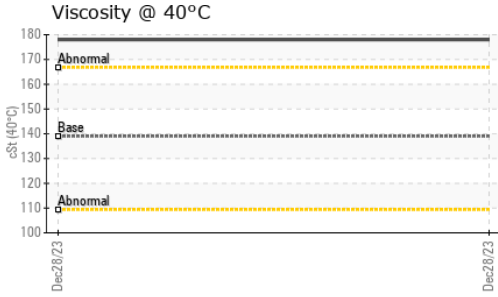
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	14	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	<1	---	---

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	NONE	---	---
Appearance	scalar	*Visual NORML	NORML	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >0.25	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---



OIL ANALYSIS REPORT



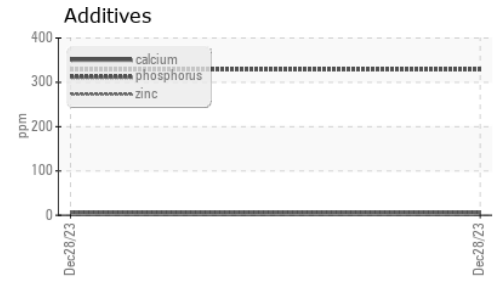
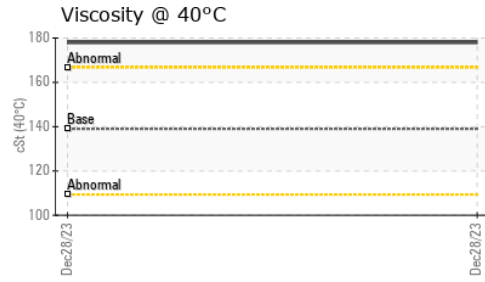
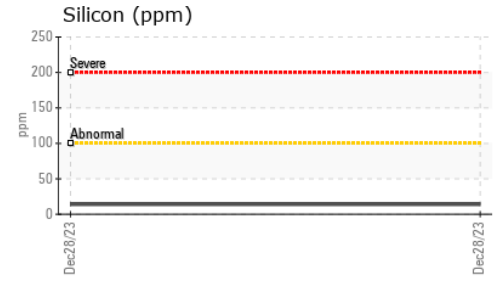
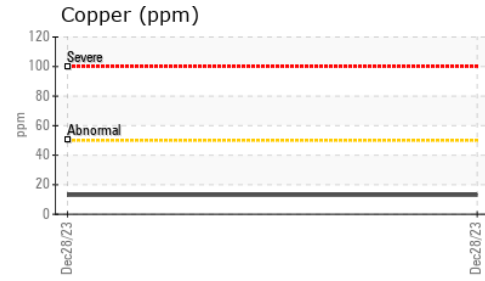
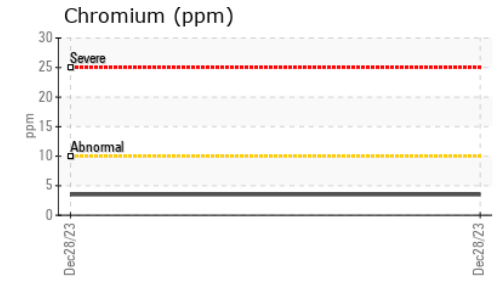
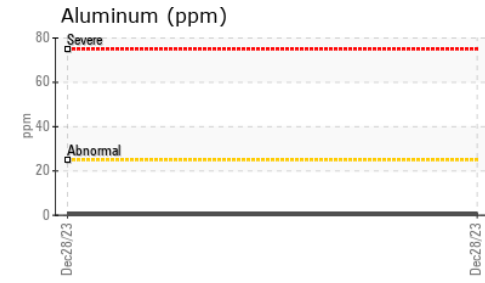
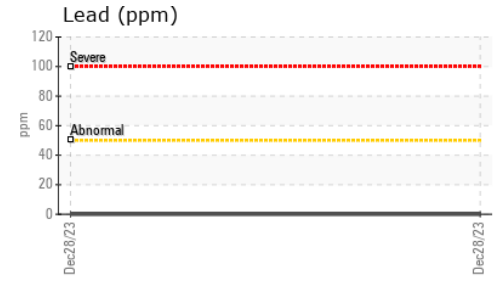
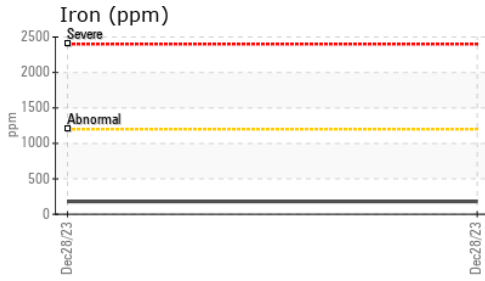
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	139	178	---

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0009440 **Recieved** : 09 Jan 2024
Lab Number : **06056100** **Diagnosed** : 10 Jan 2024
Unique Number : 10822049 **Diagnostician** : Angela Borella
Test Package : MOBCE

WESTERN METALS RECYCLING - SALT LAKE CITY
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 US 84104
 Contact: TIMOTHY SHEFFIELD
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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)