



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
[W02008461]

Machine Id  
VOLVO EC350E 314605

Component  
Left Travel

Fluid  
GEAR OIL SAE 80W90 (2 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W02008461 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002389	ML0001087	---
Sample Date		Client Info		21 Jun 2024	07 May 2024	---
Machine Age	hrs	Client Info		1052	500	---
Oil Age	hrs	Client Info		552	500	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	220	799	---
Chromium	ppm	ASTM D5185m	>20	4	14	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		1	6	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>100	11	50	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>50	<1	3	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

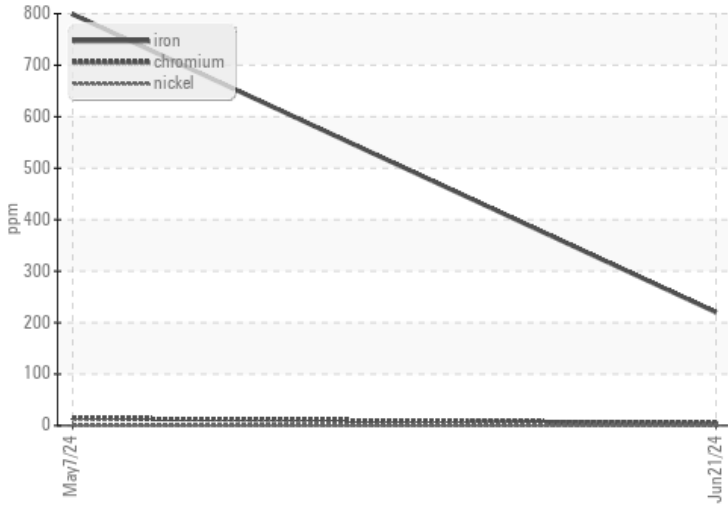
Silicon	ppm	ASTM D5185m	>100	48	210	---
Potassium	ppm	ASTM D5185m	>20	2	8	---
Water		WC Method	>0.25	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	---

FLUID CONDITION

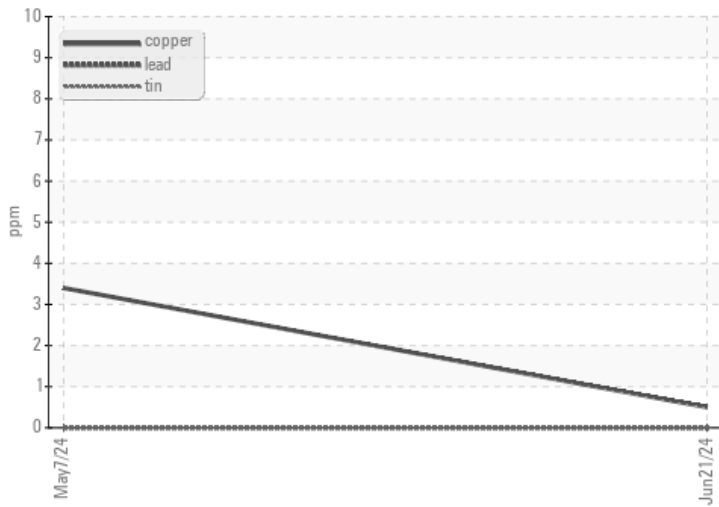
The oil viscosity is higher than normal.

Sodium	ppm	ASTM D5185m	>170	2	7	---
Boron	ppm	ASTM D5185m	400	108	12	---
Barium	ppm	ASTM D5185m	200	0	1	---
Molybdenum	ppm	ASTM D5185m	12	4	2	---
Manganese	ppm	ASTM D5185m		3	10	---
Magnesium	ppm	ASTM D5185m	12	32	9	---
Calcium	ppm	ASTM D5185m	150	75	50	---
Phosphorus	ppm	ASTM D5185m	1650	874	400	---
Zinc	ppm	ASTM D5185m	125	63	21	---
Sulfur	ppm	ASTM D5185m	22500	30840	16804	---

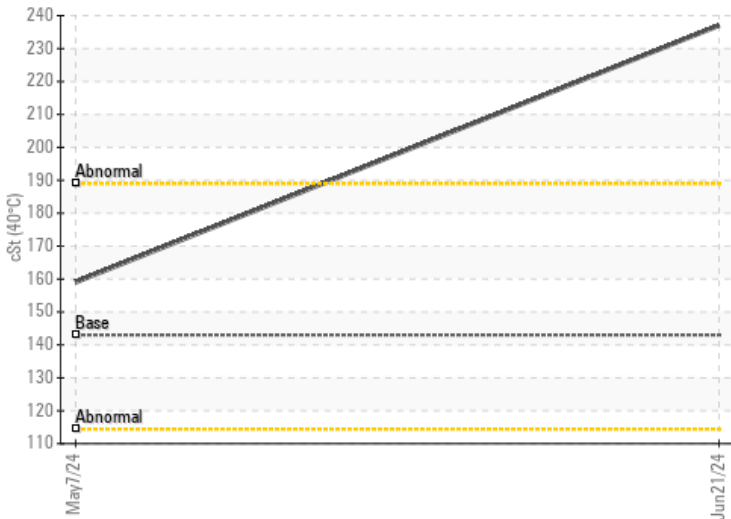
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002389  
**Lab Number** : 06218955  
**Unique Number** : 11097152  
**Test Package** : CONST

**Received** : 24 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 26 Jun 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS**  
 8450 QUARRY ROAD  
 MANASSAS, VA  
 US 20110

Contact: MIKE MAYHUGH  
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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)

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