



Area

[W02008222]

Machine Id

VOLVO EC350 314382

Component

Rear Left Final Drive

Fluid

MOBIL MOBILUBE HD 85W140 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: W02008222)

WEAR

Gear wear is indicated.

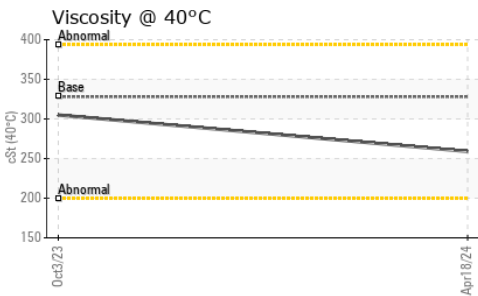
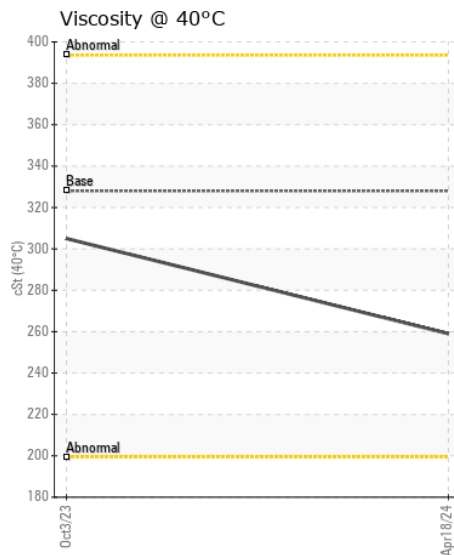
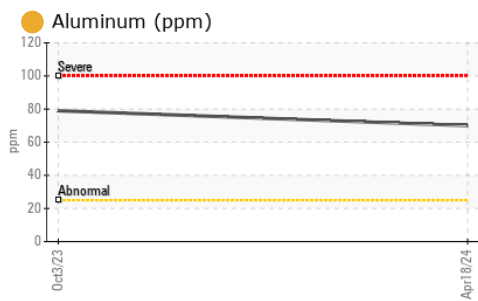
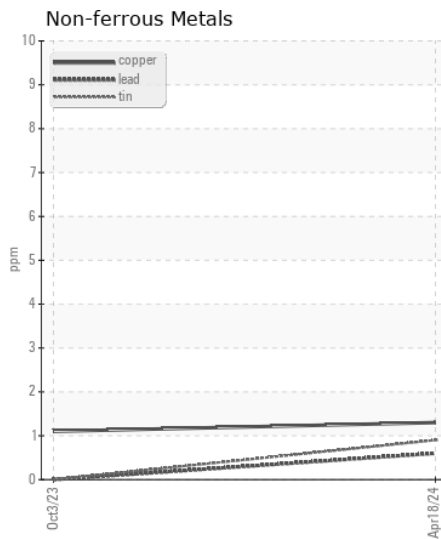
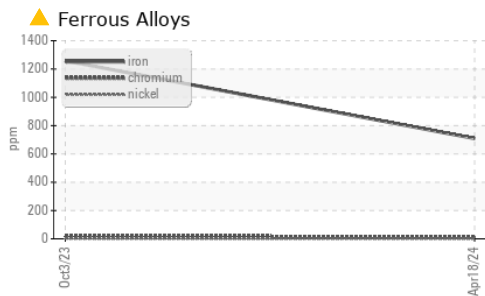
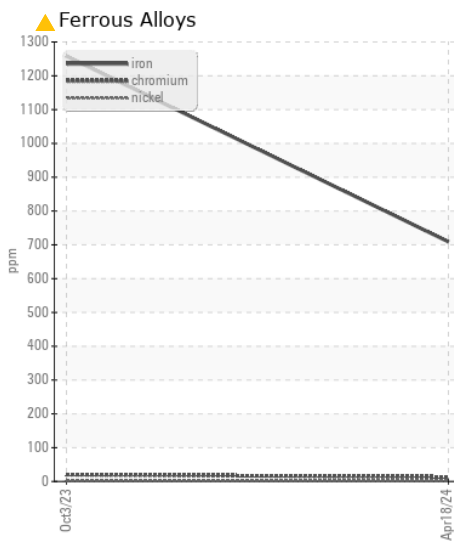
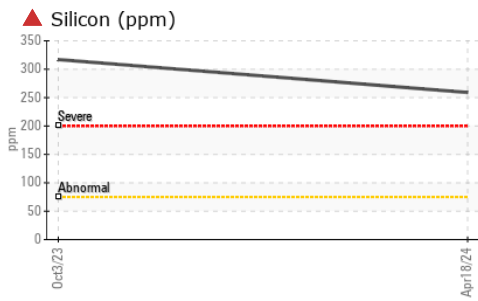
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001080	VCP418138	---
Sample Date		Client Info		18 Apr 2024	03 Oct 2023	---
Machine Age	hrs	Client Info		2470	1984	---
Oil Age	hrs	Client Info		500	500	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	SEVERE	---
Iron	ppm	ASTM D5185m	>500	▲ 709	▲ 1258	---
Chromium	ppm	ASTM D5185m	>10	▲ 13	▲ 20	---
Nickel	ppm	ASTM D5185m	>10	1	2	---
Titanium	ppm	ASTM D5185m		7	8	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	● 70	● 79	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	1	1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 259	▲ 317	---
Potassium	ppm	ASTM D5185m	>20	16	18	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		4	4	---
Boron	ppm	ASTM D5185m		122	126	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		9	<1	---
Manganese	ppm	ASTM D5185m		6	11	---
Magnesium	ppm	ASTM D5185m		62	0	---
Calcium	ppm	ASTM D5185m		150	28	---
Phosphorus	ppm	ASTM D5185m		850	917	---
Zinc	ppm	ASTM D5185m		124	3	---
Sulfur	ppm	ASTM D5185m		27494	19840	---
Visc @ 40°C	cSt	ASTM D445	328	259	305	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ML0001080

Lab Number : 06156464

Unique Number : 10991887

Test Package : CONST

Received : 22 Apr 2024

Tested : 23 Apr 2024

Diagnosed : 24 Apr 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS

8450 QUARRY ROAD

MANASSAS, VA

US 20110

Contact: MIKE MAYHUGH

MMAYHUGH@MCCLUNG-LOGAN.COM

T: (703)393-7344

F: (703)393-7844

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)