



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO EC250E 310555
Component
Rear Left Final Drive
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002679	ML0000648	VCP409378
Sample Date		Client Info		03 Jul 2024	19 Feb 2024	14 Aug 2023
Machine Age	hrs	Client Info		3191	0	1842
Oil Age	hrs	Client Info		1350	0	1
Filter Age	hrs	Client Info		0	0	1
Oil Changed		Client Info		Changed	Changed	Not Chngd
Filter Changed		Client Info		N/A	Not Chngd	Not Chngd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	113	457	295
Chromium	ppm	ASTM D5185m	>10	2	4	3
Nickel	ppm	ASTM D5185m	>10	<1	1	<1
Titanium	ppm	ASTM D5185m		1	2	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	5	7
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	1	4	0
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

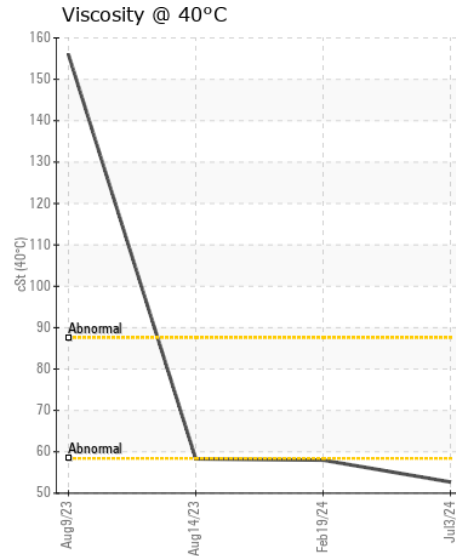
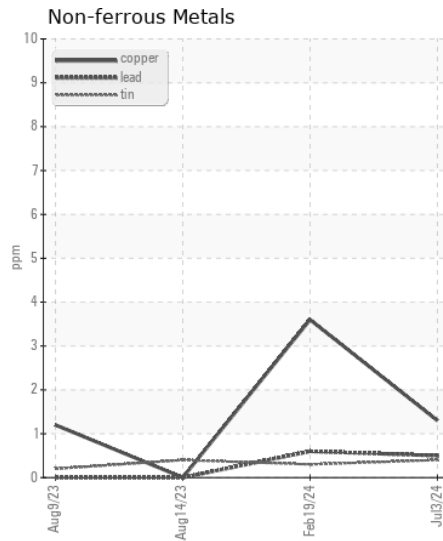
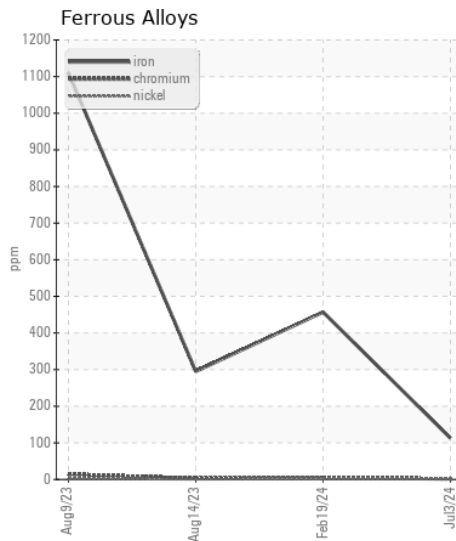
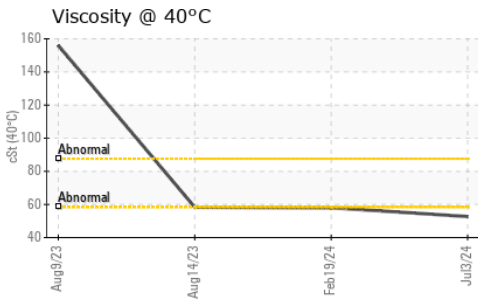
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	57	44
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	0	2
Boron	ppm	ASTM D5185m		280	234	254
Barium	ppm	ASTM D5185m		0	6	0
Molybdenum	ppm	ASTM D5185m		1	4	1
Manganese	ppm	ASTM D5185m		2	5	3
Magnesium	ppm	ASTM D5185m		8	30	29
Calcium	ppm	ASTM D5185m		12	83	79
Phosphorus	ppm	ASTM D5185m		2462	1835	2286
Zinc	ppm	ASTM D5185m		13	59	48
Sulfur	ppm	ASTM D5185m		29565	24368	31307
Visc @ 40°C	cSt	ASTM D445		52.7	58.0	58.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002679
Lab Number : 06229349
Unique Number : 11112842
Test Package : CONST

Received : 05 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 09 Jul 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
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 GLEN ALLEN, VA
 US 23060
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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)