



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W02008096]
Machine Id
VOLVO ECR235 314620
Component
Rear Left Final Drive
Fluid
MOBIL MOBILUBE HD 85W140 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W02008096)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001071	VCP416210	VCP319394
Sample Date		Client Info		19 Mar 2024	20 Jun 2023	24 Sep 2021
Machine Age	hrs	Client Info		2441	1948	501
Oil Age	hrs	Client Info		500	500	501
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	123	319	183
Chromium	ppm	ASTM D5185m	>10	1	6	3
Nickel	ppm	ASTM D5185m	>10	0	<1	2
Titanium	ppm	ASTM D5185m		0	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	22	1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

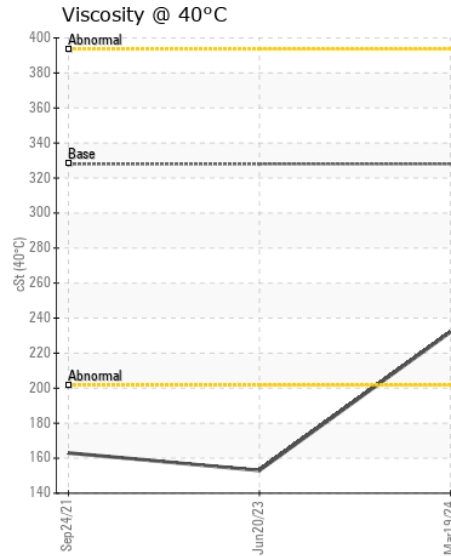
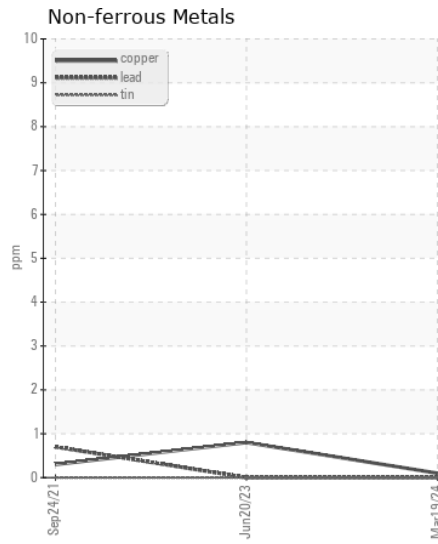
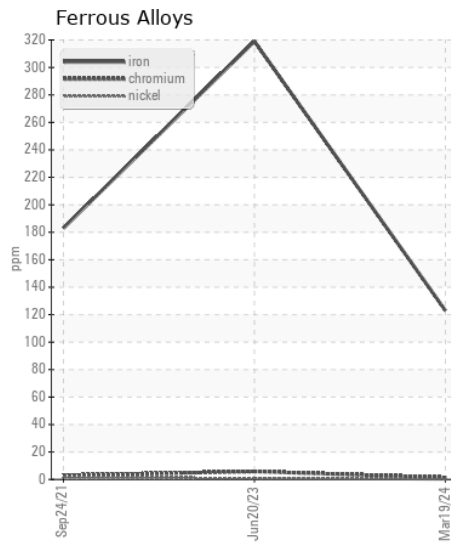
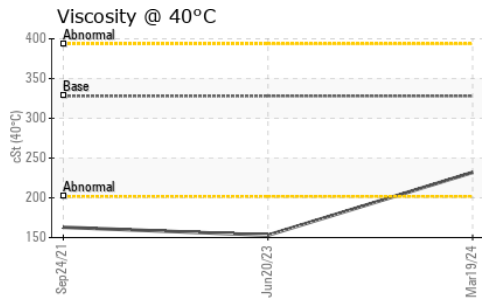
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	15	66	14
Potassium	ppm	ASTM D5185m	>20	0	6	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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		0	0	3
Boron	ppm	ASTM D5185m		93	149	14
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		13	17	3
Manganese	ppm	ASTM D5185m		<1	3	4
Magnesium	ppm	ASTM D5185m		115	119	2
Calcium	ppm	ASTM D5185m		288	571	11
Phosphorus	ppm	ASTM D5185m		738	897	266
Zinc	ppm	ASTM D5185m		231	319	14
Sulfur	ppm	ASTM D5185m		27049	22370	8636
Visc @ 40°C	cSt	ASTM D445	328	232	153	163



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001071
Lab Number : 06124418
Unique Number : 10938569
Test Package : CONST

Received : 20 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 23 Mar 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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