



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W02008216]
Machine Id
VOLVO EC300E 312949
Component
Swing Drive
Fluid
MOBIL MOBILUBE HD 85W140 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W02008216)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001605	VCP386191	VCP265979
Sample Date		Client Info		16 Apr 2024	30 Sep 2022	10 Dec 2019
Machine Age	hrs	Client Info		5175	4054	474
Oil Age	hrs	Client Info		1000	1000	474
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	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	108	537	219
Chromium	ppm	ASTM D5185m	>10	2	7	4
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		1	1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	6	<1
Lead	ppm	ASTM D5185m	>50	1	3	2
Copper	ppm	ASTM D5185m	>50	6	31	17
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

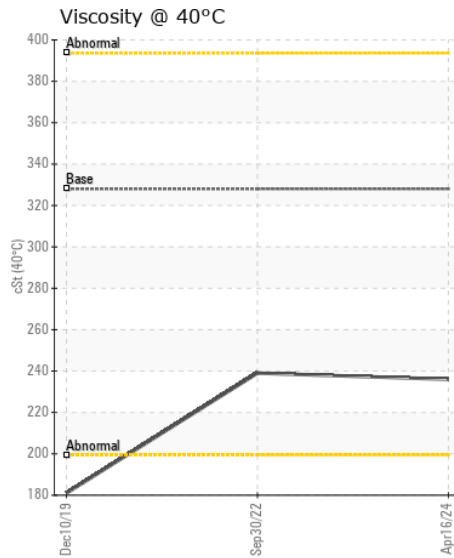
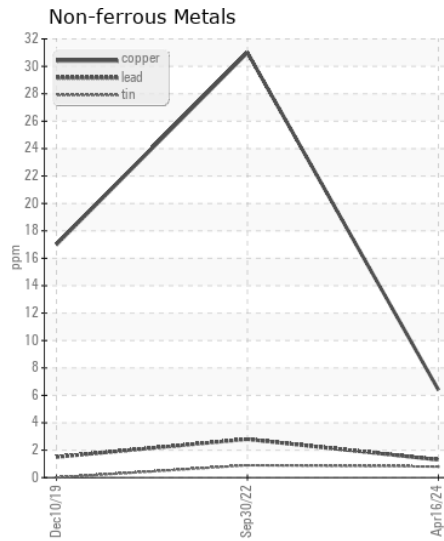
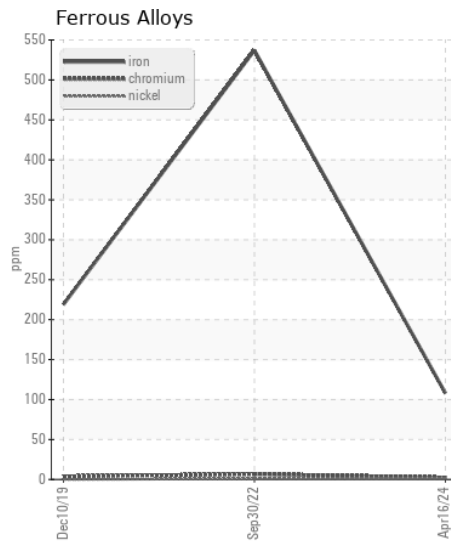
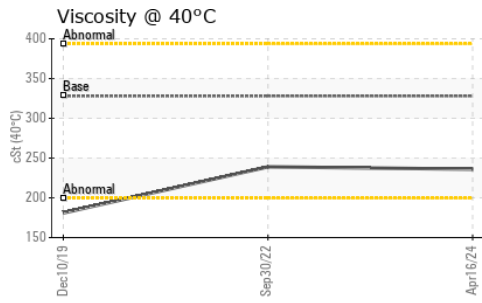
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	11	24	10
Potassium	ppm	ASTM D5185m	>20	1	<1	1
Water		WC Method	>0.25	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	>0.25	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	1
Boron	ppm	ASTM D5185m		125	126	3
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		13	2	0
Manganese	ppm	ASTM D5185m		2	8	5
Magnesium	ppm	ASTM D5185m		116	0	0
Calcium	ppm	ASTM D5185m		313	52	<1
Phosphorus	ppm	ASTM D5185m		776	1022	419
Zinc	ppm	ASTM D5185m		235	38	10
Sulfur	ppm	ASTM D5185m		22883	22428	12979
Visc @ 40°C	cSt	ASTM D445	328	236	239	181



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001605
Lab Number : 06153534
Unique Number : 10983612
Test Package : CONST

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 22 Apr 2024 - Sean Felton

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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)