



VOLVO

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL



Area

[A12681]

Machine Id

VOLVO ECR235CL 110022

Component

Rear Left Final Drive

Fluid

MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP454454	VCP363936	VCP341023
Sample Date		Client Info		16 May 2024	26 Aug 2022	07 Dec 2021
Machine Age	hrs	Client Info		10505	9785	9125
Oil Age	hrs	Client Info		700	2000	1500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>2535	1452	564	1389
Chromium	ppm	ASTM D5185m	>35	9	4	7
Nickel	ppm	ASTM D5185m	>4	1	0	1
Titanium	ppm	ASTM D5185m	>15	7	6	2
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>185	53	48	28
Lead	ppm	ASTM D5185m	>4	<1	0	<1
Copper	ppm	ASTM D5185m	>5	4	1	3
Tin	ppm	ASTM D5185m	>5	0	0	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

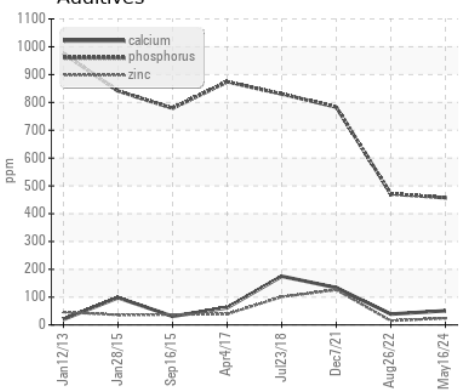
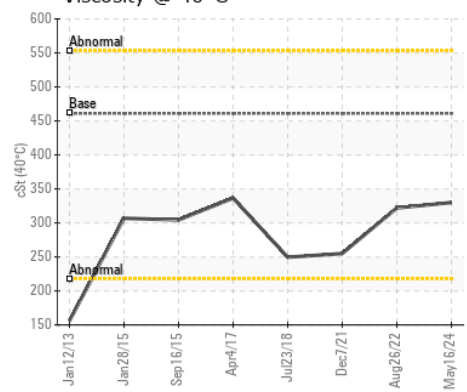
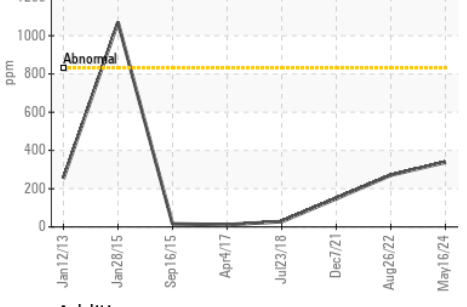
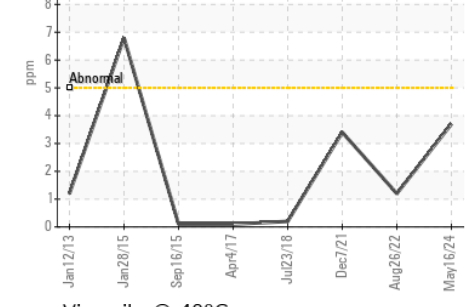
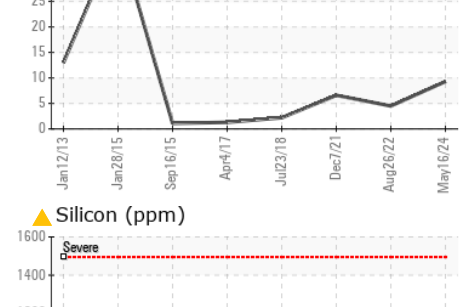
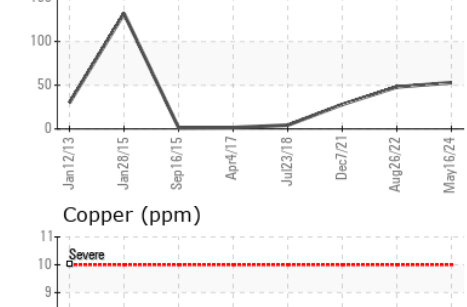
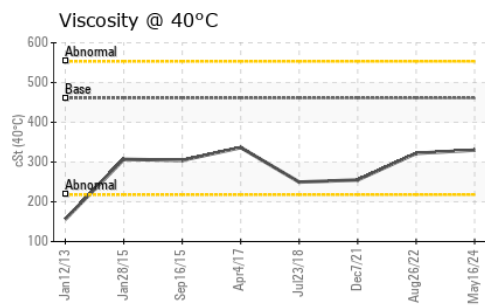
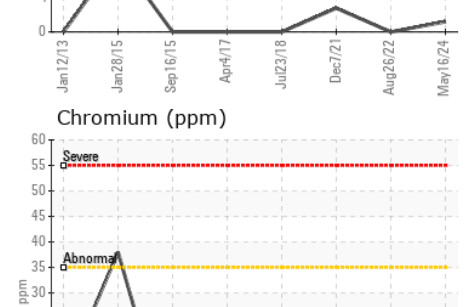
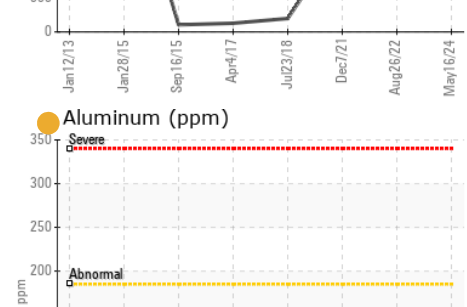
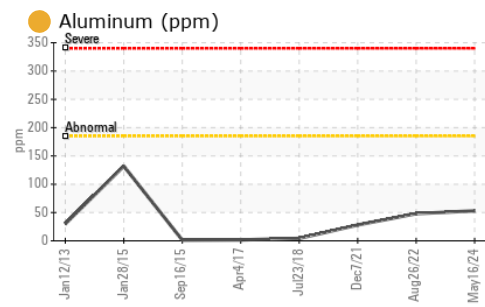
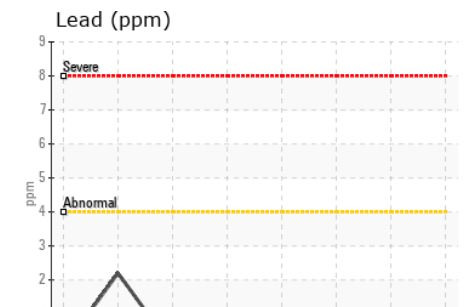
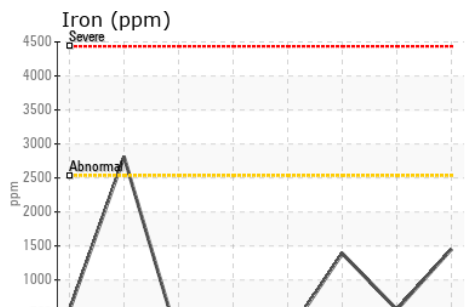
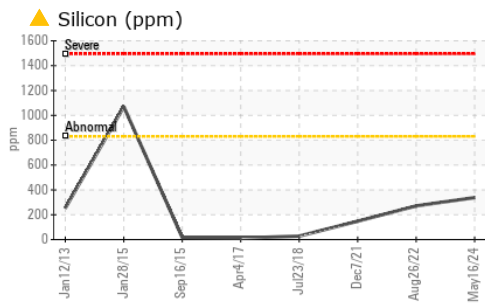
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>830	338	271	148
Potassium	ppm	ASTM D5185m	>20	19	16	16
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		6	3	5
Boron	ppm	ASTM D5185m		40	64	56
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	4
Manganese	ppm	ASTM D5185m		9	4	9
Magnesium	ppm	ASTM D5185m		12	10	16
Calcium	ppm	ASTM D5185m		51	39	134
Phosphorus	ppm	ASTM D5185m		457	471	783
Zinc	ppm	ASTM D5185m		24	15	126
Sulfur	ppm	ASTM D5185m		21810	19188	23981
Visc @ 40°C	cSt	ASTM D445	461	330	322	255



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP454454 **Received** : 28 May 2024
Lab Number : 06192573 **Tested** : 29 May 2024
Unique Number : 11049325 **Diagnosed** : 30 May 2024 - Don Baldrige
Test Package : MOB 1

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Certificate L2367
 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)