



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO EC480 311142
Component
Rear Left Final Drive
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443779	VCP406885	---
Sample Date		Client Info		23 Apr 2024	19 Apr 2023	---
Machine Age	hrs	Client Info		6046	542	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>3360	604	559	---
Chromium	ppm	ASTM D5185m	>35	8	9	---
Nickel	ppm	ASTM D5185m	>8	0	0	---
Titanium	ppm	ASTM D5185m	>15	0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>185	1	3	---
Lead	ppm	ASTM D5185m	>5	0	0	---
Copper	ppm	ASTM D5185m	>80	2	<1	---
Tin	ppm	ASTM D5185m	>8	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

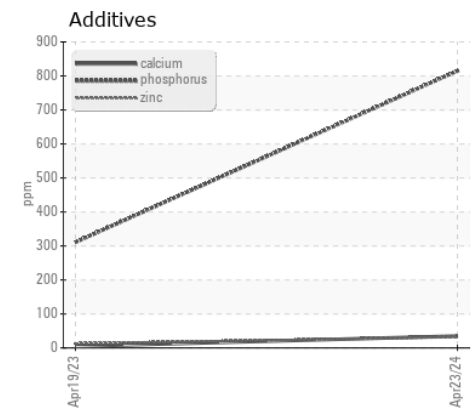
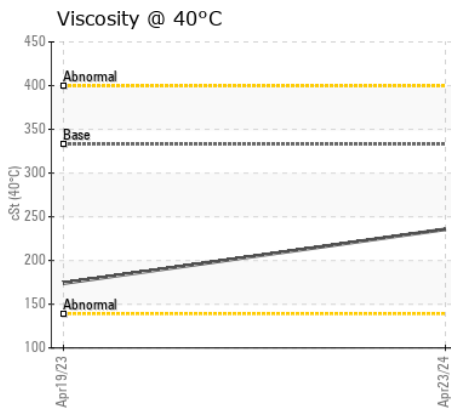
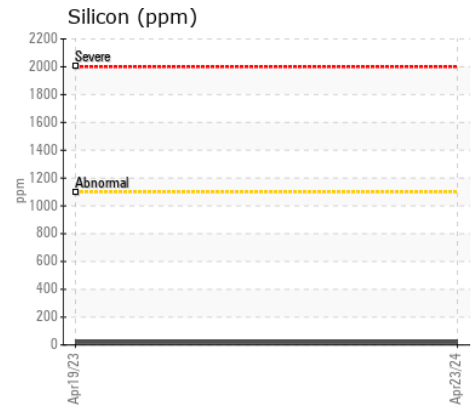
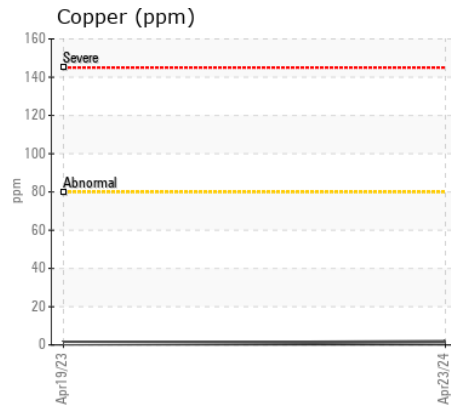
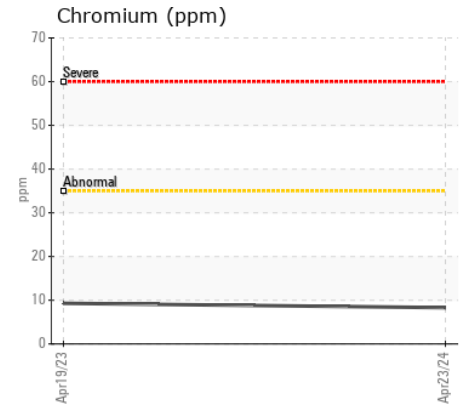
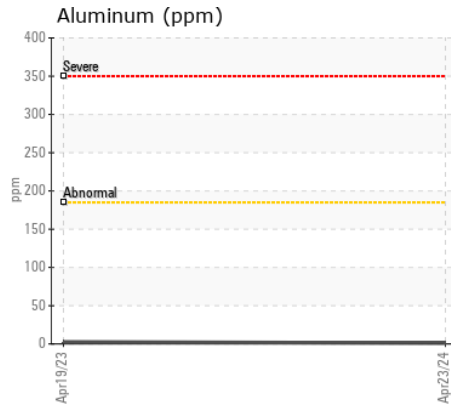
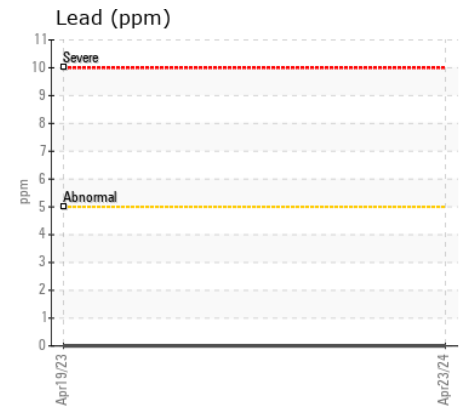
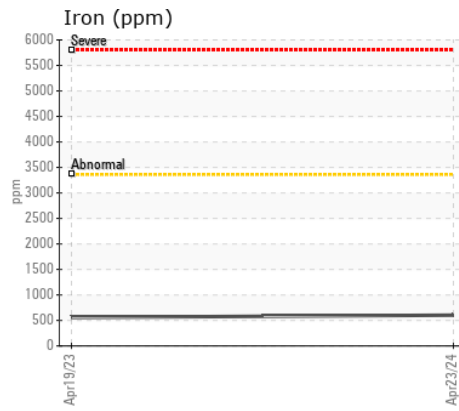
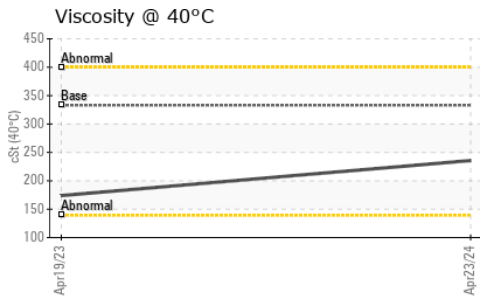
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>1100	20	20	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	---
Boron	ppm	ASTM D5185m	111	90	0	---
Barium	ppm	ASTM D5185m	0.0	2	2	---
Molybdenum	ppm	ASTM D5185m	0.9	2	1	---
Manganese	ppm	ASTM D5185m	0.0	7	6	---
Magnesium	ppm	ASTM D5185m	39	4	2	---
Calcium	ppm	ASTM D5185m	93	35	5	---
Phosphorus	ppm	ASTM D5185m	920	815	311	---
Zinc	ppm	ASTM D5185m	104	32	13	---
Sulfur	ppm	ASTM D5185m	20179	26520	15106	---
Visc @ 40°C	cSt	ASTM D445	333	235.7	174	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP443779
Lab Number : 06159477
Unique Number : 10994900
Test Package : MOB 1

Received : 24 Apr 2024
Tested : 29 Apr 2024
Diagnosed : 29 Apr 2024 - Wes Davis

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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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)