



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery

Machine Id

VOLVO EC300E 317382

Component

Swing Drive

Fluid

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0001686	---	---
Sample Date		Client Info		12 Apr 2024	---	---
Machine Age	hrs	Client Info		562	---	---
Oil Age	hrs	Client Info		562	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	205	---	---
Chromium	ppm	ASTM D5185m	>10	4	---	---
Nickel	ppm	ASTM D5185m	>10	1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>25	1	---	---
Lead	ppm	ASTM D5185m	>50	1	---	---
Copper	ppm	ASTM D5185m	>50	10	---	---
Tin	ppm	ASTM D5185m	>10	1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

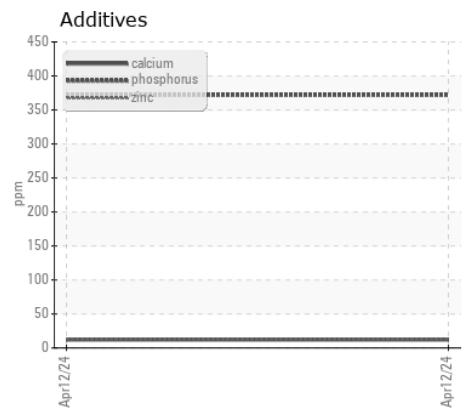
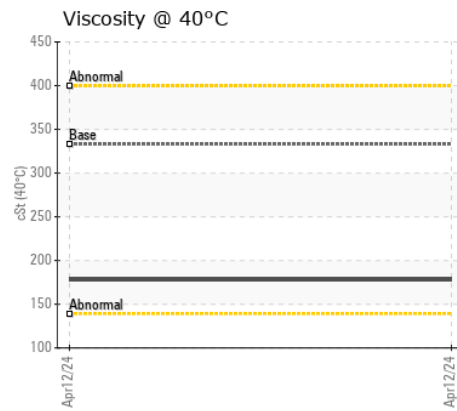
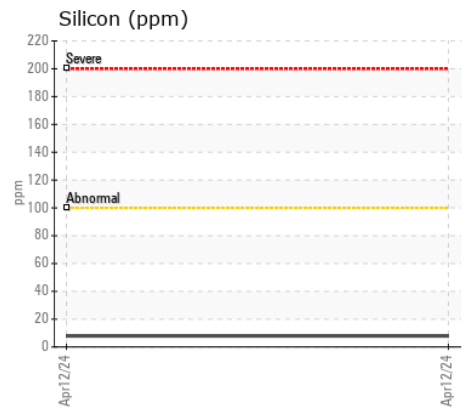
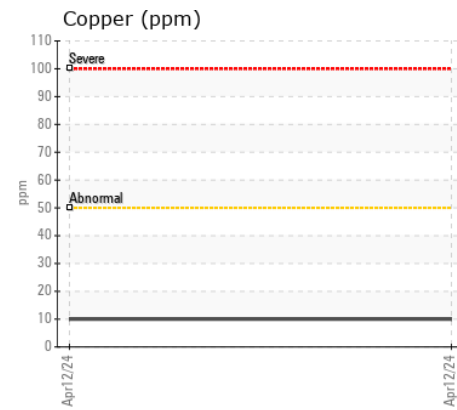
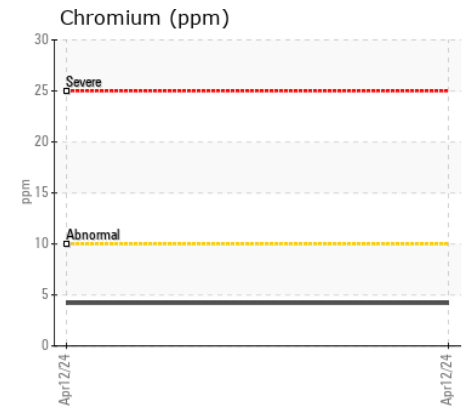
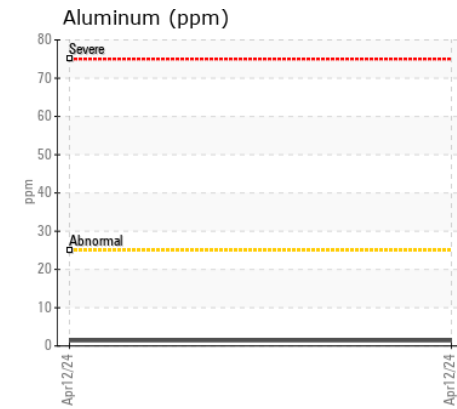
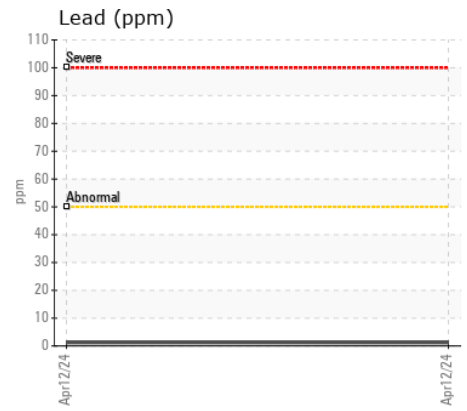
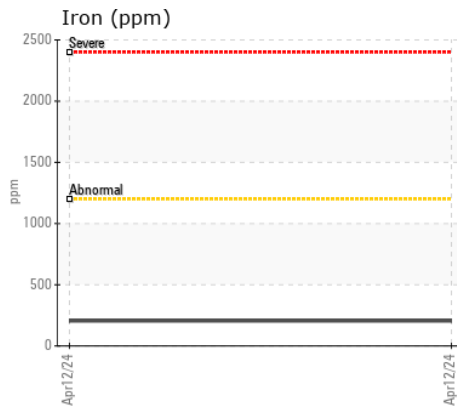
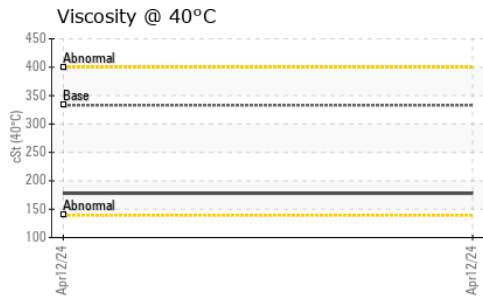
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	8	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.25	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.25	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m	111	7	---	---
Barium	ppm	ASTM D5185m	0.0	<1	---	---
Molybdenum	ppm	ASTM D5185m	0.9	2	---	---
Manganese	ppm	ASTM D5185m	0.0	5	---	---
Magnesium	ppm	ASTM D5185m	39	<1	---	---
Calcium	ppm	ASTM D5185m	93	12	---	---
Phosphorus	ppm	ASTM D5185m	920	372	---	---
Zinc	ppm	ASTM D5185m	104	13	---	---
Sulfur	ppm	ASTM D5185m	20179	19464	---	---
Visc @ 40°C	cSt	ASTM D445	333	178	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ASC0001686

Lab Number : 06152358

Unique Number : 10982436

Test Package : MOBCE

Received : 17 Apr 2024

Tested : 18 Apr 2024

Diagnosed : 22 Apr 2024 - Sean Felton

HERC RENTALS
27500 RIVERVIEW CENTER BLVD, SUITE 100

BONITA SPRINGS, FL

US 34134

Contact: ALLAN AUTER

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T:

F:

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)