



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery

Machine Id

VOLVO EC380E 314421

Component

Left Travel

Fluid

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

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL

RECOMMENDATION

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

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

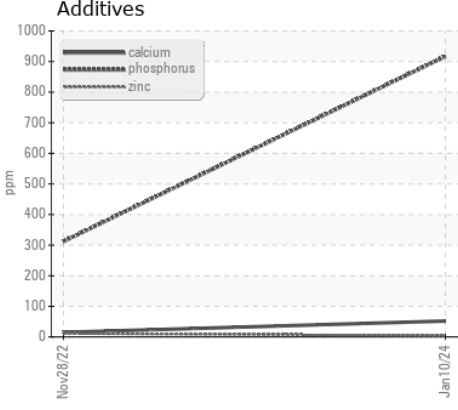
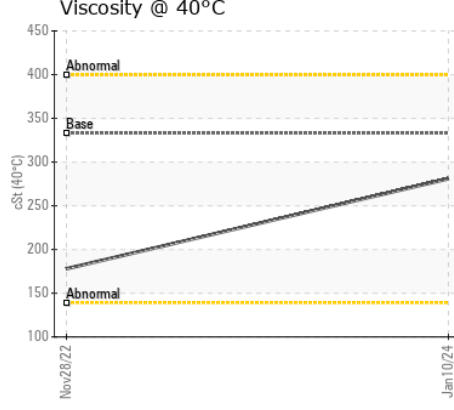
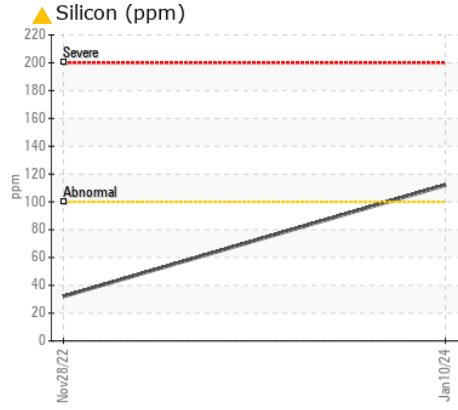
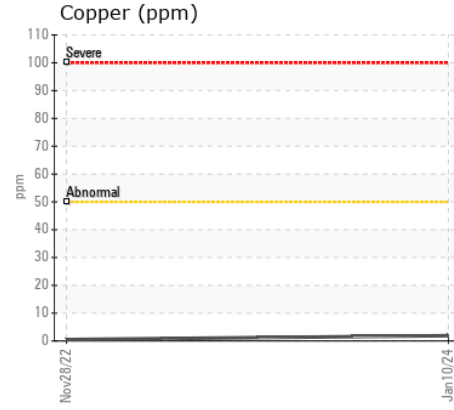
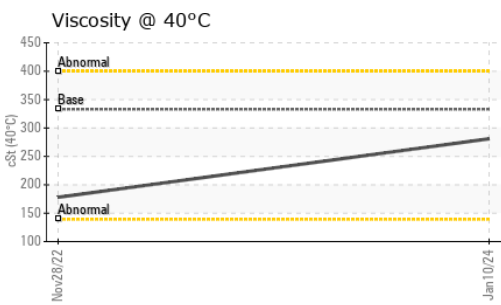
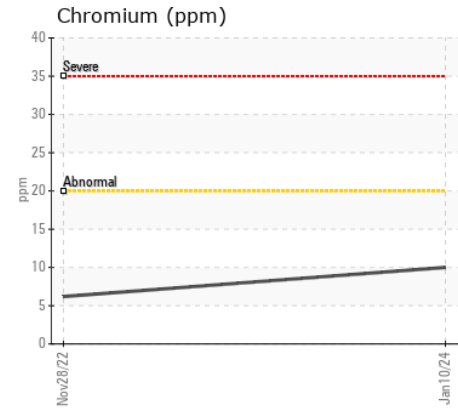
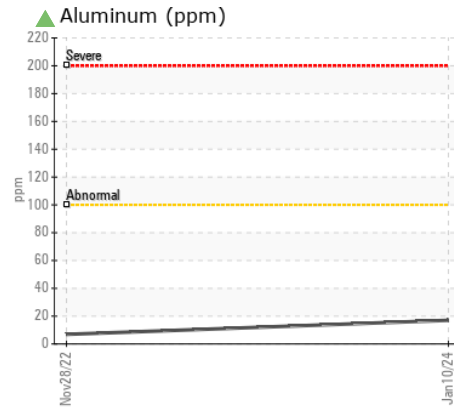
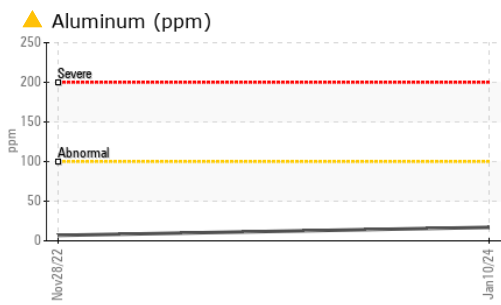
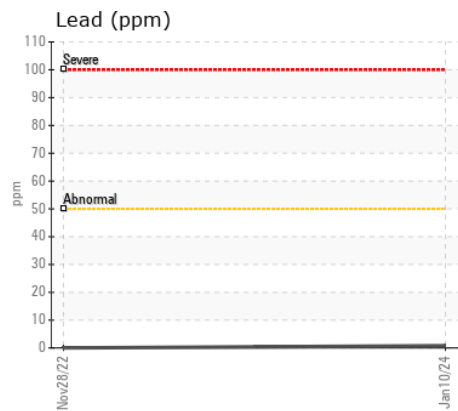
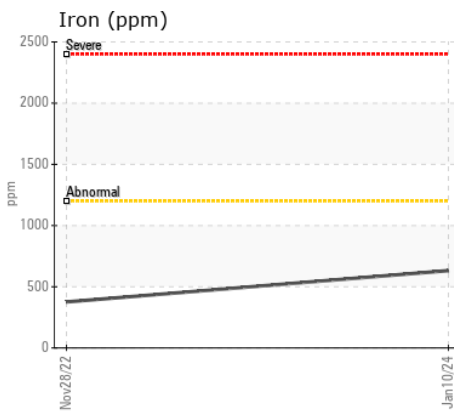
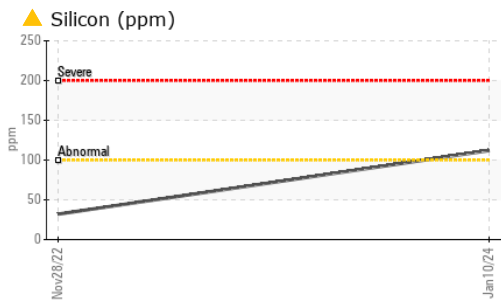
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0001506	VCP0005194	---
Sample Date		Client Info		10 Jan 2024	28 Nov 2022	---
Machine Age	hrs	Client Info		2446	1731	---
Oil Age	hrs	Client Info		715	1731	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				ABNORMAL	NORMAL	---

Iron	ppm	ASTM D5185m	>1200	632	376	---
Chromium	ppm	ASTM D5185m	>20	10	6	---
Nickel	ppm	ASTM D5185m	>5	1	0	---
Titanium	ppm	ASTM D5185m		2	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>100	▲ 17	7	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>50	2	<1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>100	▲ 112	32	---
Potassium	ppm	ASTM D5185m	>20	5	<1	---
Water		WC Method	>0.25	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	>0.25	NEG	NEG	---

Sodium	ppm	ASTM D5185m		0	2	---
Boron	ppm	ASTM D5185m	111	149	0	---
Barium	ppm	ASTM D5185m	0.0	4	<1	---
Molybdenum	ppm	ASTM D5185m	0.9	1	<1	---
Manganese	ppm	ASTM D5185m	0.0	6	4	---
Magnesium	ppm	ASTM D5185m	39	4	<1	---
Calcium	ppm	ASTM D5185m	93	52	15	---
Phosphorus	ppm	ASTM D5185m	920	917	312	---
Zinc	ppm	ASTM D5185m	104	4	11	---
Sulfur	ppm	ASTM D5185m	20179	30118	16065	---
Visc @ 40°C	cSt	ASTM D445	333	281	178	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0001506 **Received** : 12 Jan 2024
Lab Number : 06059639 **Diagnosed** : 16 Jan 2024
Unique Number : 10831021 **Diagnostician** : Jonathan Hester
Test Package : MOBCE

ENVIRONMENTAL HOLDINGS GROUP LLC
 4000 TRIANGLE LANE SUITE 160
 EXPORT, PA
 US 15632
 Contact: Service Manager

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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