



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery/250 Hour CSA
Machine Id
VOLVO EC290B 892 (S/N 10108)
Component
Rear Right Final Drive
Fluid
GEAR OIL SAE 90W140 (--- GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007870	VCP410356	---
Sample Date		Client Info		26 Jan 2024	18 May 2023	---
Machine Age	hrs	Client Info		2287	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>4210	122	967	---
Chromium	ppm	ASTM D5185m	>50	3	4	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m	>25	0	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>310	2	35	---
Lead	ppm	ASTM D5185m	>5	0	0	---
Copper	ppm	ASTM D5185m	>15	<1	5	---
Tin	ppm	ASTM D5185m	>3	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

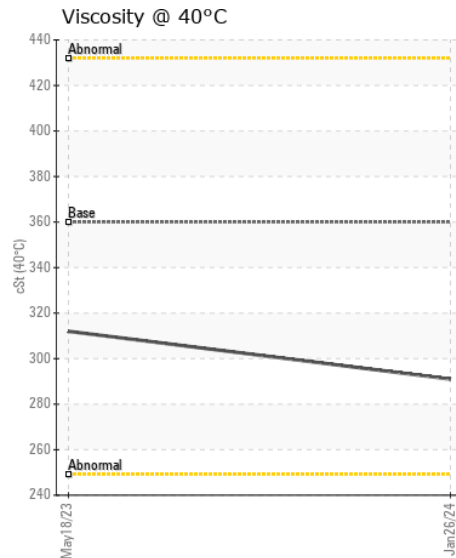
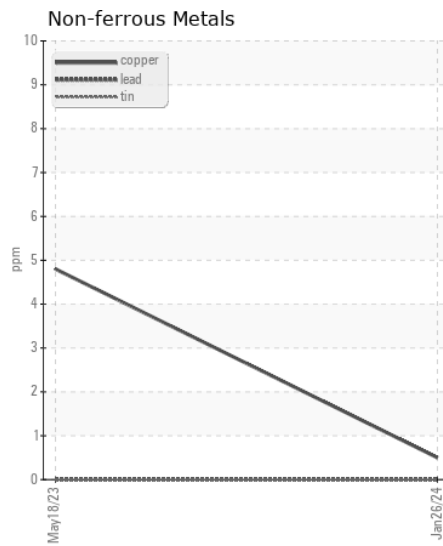
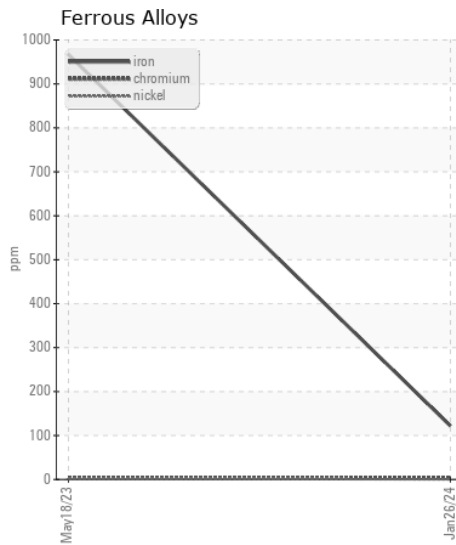
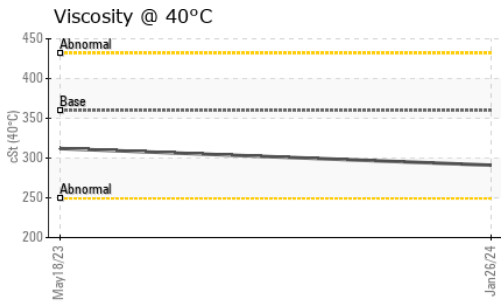
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>1740	3	154	---
Potassium	ppm	ASTM D5185m	>20	1	5	---
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	0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	8	---
Boron	ppm	ASTM D5185m	400	164	103	---
Barium	ppm	ASTM D5185m	200	<1	0	---
Molybdenum	ppm	ASTM D5185m	12	<1	<1	---
Manganese	ppm	ASTM D5185m		2	4	---
Magnesium	ppm	ASTM D5185m	12	1	10	---
Calcium	ppm	ASTM D5185m	150	19	88	---
Phosphorus	ppm	ASTM D5185m	1650	958	932	---
Zinc	ppm	ASTM D5185m	125	6	31	---
Sulfur	ppm	ASTM D5185m	22500	32660	27406	---
Visc @ 40°C	cSt	ASTM D445	360	291	312	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007870 **Recieved** : 31 Jan 2024
Lab Number : **06076168** **Diagnosed** : 01 Feb 2024
Unique Number : 10858259 **Diagnostician** : Wes Davis
Test Package : CONST

TRIANGLE GRADING AND PAVING INC
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 BURLINGTON, NC
 US 27216
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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)