



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**Ascendum Machinery**  
Machine Id  
**VOLVO EC200E 314279**  
Component  
**Swing 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		ASC0007613	VCP0006669	---
Sample Date		Client Info		28 Feb 2024	10 Apr 2023	---
Machine Age	hrs	Client Info		962	687	---
Oil Age	hrs	Client Info		275	687	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				NORMAL	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	212	235	---
Chromium	ppm	ASTM D5185m	>10	2	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>50	6	10	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

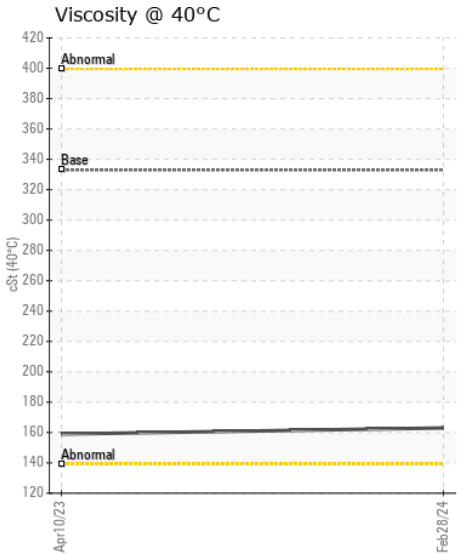
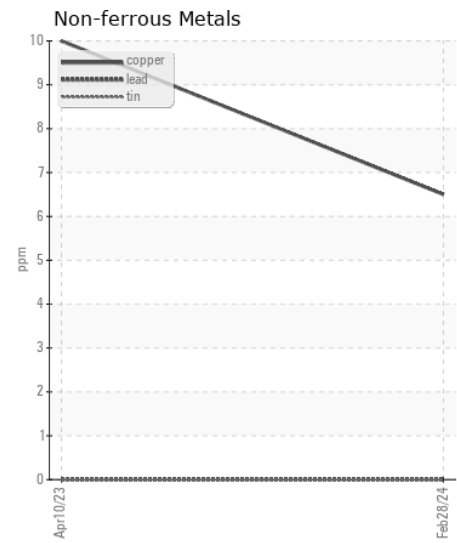
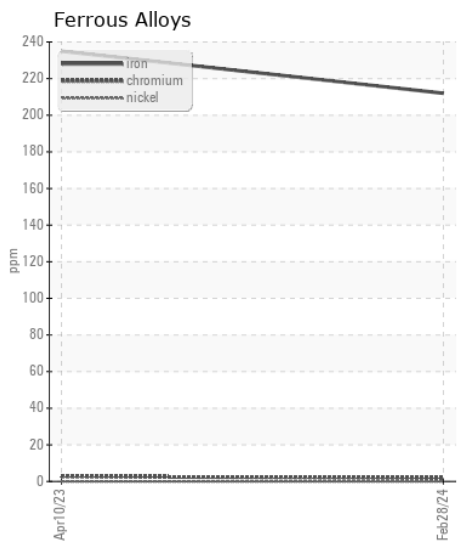
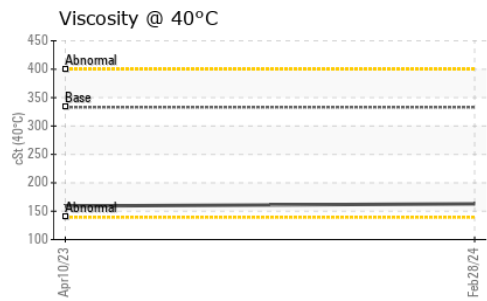
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	6	8	---
Potassium	ppm	ASTM D5185m	>20	0	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	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	<1	---
Boron	ppm	ASTM D5185m	111	5	0	---
Barium	ppm	ASTM D5185m	0.0	1	0	---
Molybdenum	ppm	ASTM D5185m	0.9	0	1	---
Manganese	ppm	ASTM D5185m	0.0	3	5	---
Magnesium	ppm	ASTM D5185m	39	<1	4	---
Calcium	ppm	ASTM D5185m	93	47	16	---
Phosphorus	ppm	ASTM D5185m	920	314	290	---
Zinc	ppm	ASTM D5185m	104	34	<1	---
Sulfur	ppm	ASTM D5185m	20179	16851	15767	---
Visc @ 40°C	cSt	ASTM D445	333	163	159	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0007613      **Received** : 21 Mar 2024  
**Lab Number** : 06125214      **Tested** : 25 Mar 2024  
**Unique Number** : 10939365      **Diagnosed** : 25 Mar 2024 - Wes Davis  
**Test Package** : CONST

**NEAL'S PALLET COMPANY INC**  
 8808 WILKINSON BLVD  
 CHARLOTTE, NC  
 US 28214  
 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)

T:  
F: