



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**Ascendum Machinery/500 Hour CSA**  
Machine Id  
**VOLVO L70H 2168 (S/N 624364)**  
Component  
**Rear Axle**  
Fluid  
**{not provided} (--- GAL)**

### 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		ASC0001732	---	---
Sample Date		Client Info		22 Dec 2023	---	---
Machine Age	hrs	Client Info		1947	---	---
Oil Age	hrs	Client Info		1947	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	60	---	---
Chromium	ppm	ASTM D5185m	>20	3	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	2	---	---
Lead	ppm	ASTM D5185m	>50	1	---	---
Copper	ppm	ASTM D5185m	>120	63	---	---
Tin	ppm	ASTM D5185m	>20	6	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

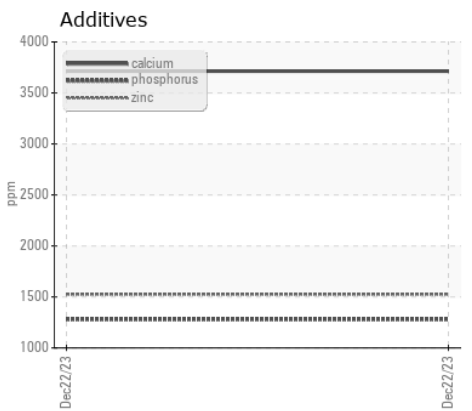
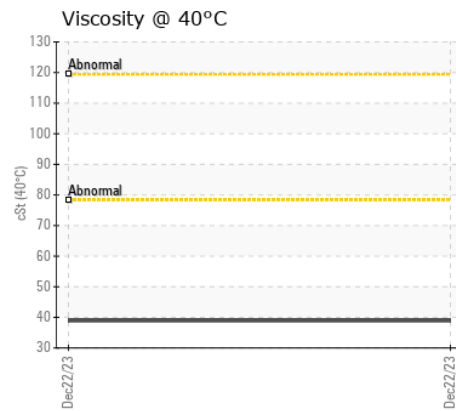
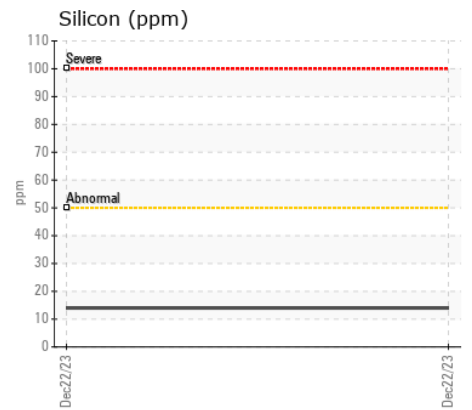
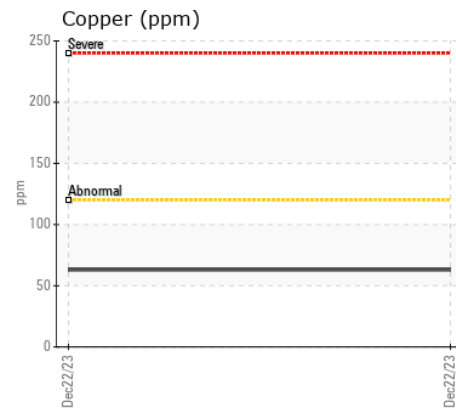
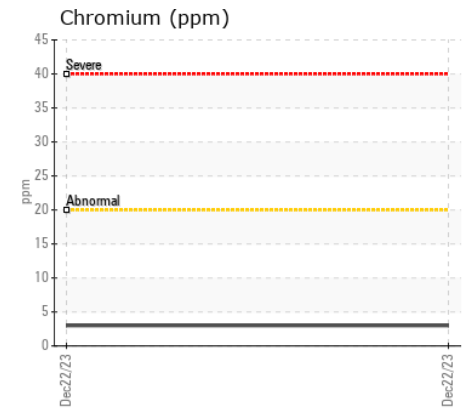
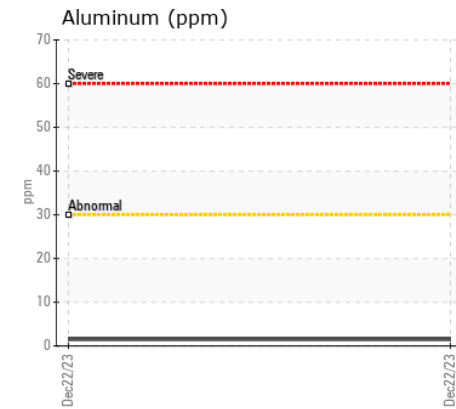
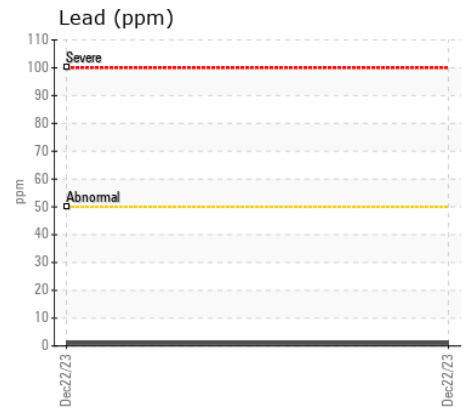
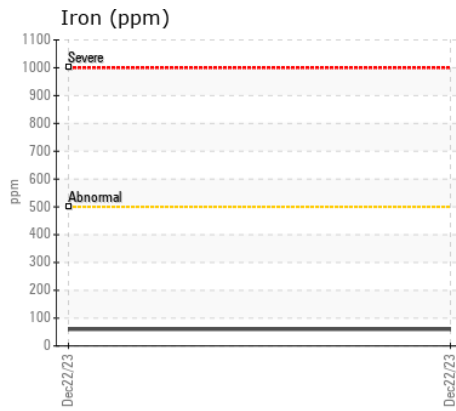
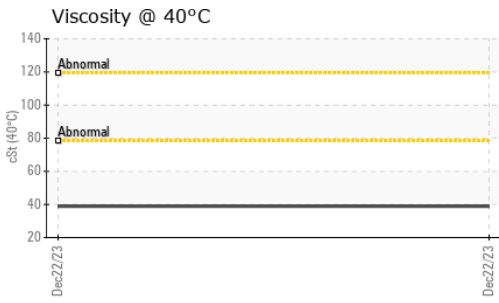
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method	>0.2	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	>0.2	NEG	---	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		13	---	---
Boron	ppm	ASTM D5185m		118	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		9	---	---
Magnesium	ppm	ASTM D5185m		13	---	---
Calcium	ppm	ASTM D5185m		3713	---	---
Phosphorus	ppm	ASTM D5185m		1281	---	---
Zinc	ppm	ASTM D5185m		1526	---	---
Sulfur	ppm	ASTM D5185m		3729	---	---
Visc @ 40°C	cSt	ASTM D445		38.9	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0001732 **Received** : 09 Jan 2024  
**Lab Number** : 06055645 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821594 **Diagnostician** : Sean Felton  
**Test Package** : MOBCE

**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)