



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**[12058]**  
Machine Id  
**VOLVO A30D 12117**  
Component  
**Bogie/Center Axle**  
Fluid  
**MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443154	VCP363764	VCP374831
Sample Date		Client Info		08 Feb 2024	11 Aug 2022	09 Aug 2022
Machine Age	hrs	Client Info		12796	10465	10465
Oil Age	hrs	Client Info		0	2000	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	50	91	77
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>30	2	2	1
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>150	2	14	7
Tin	ppm	ASTM D5185m	>20	0	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

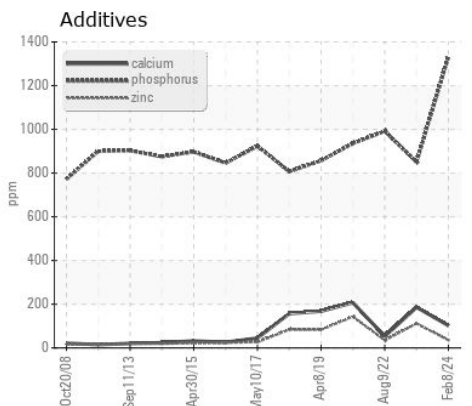
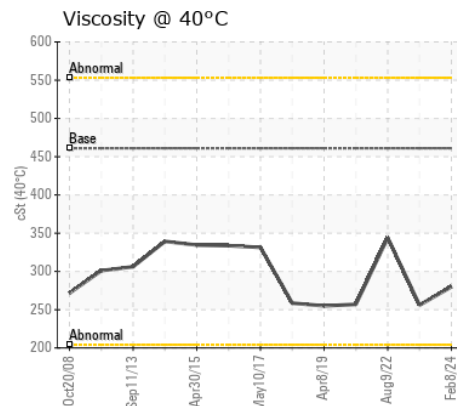
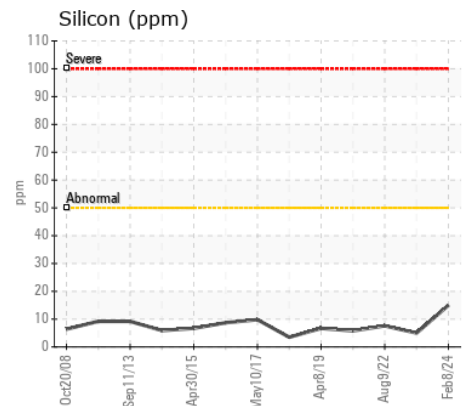
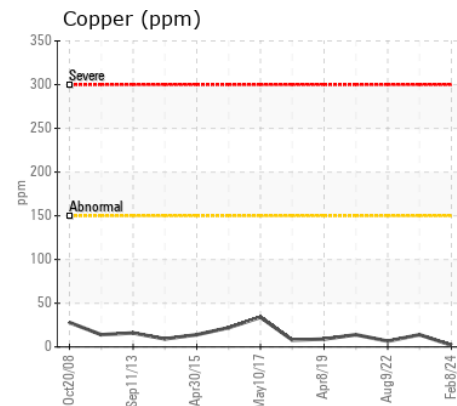
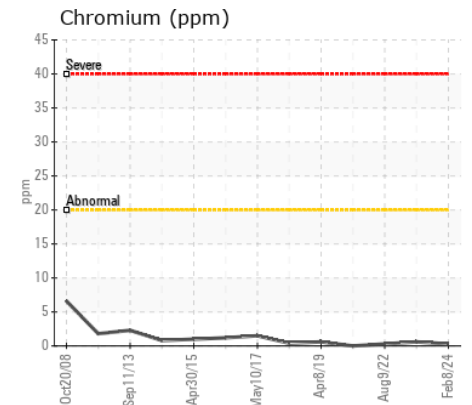
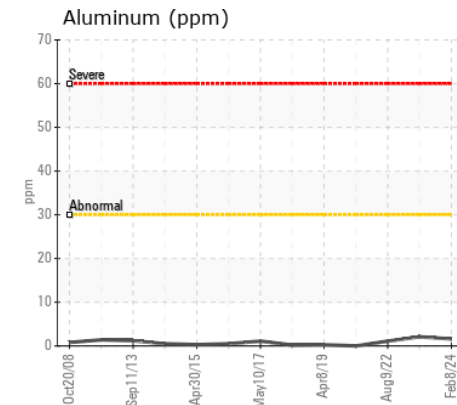
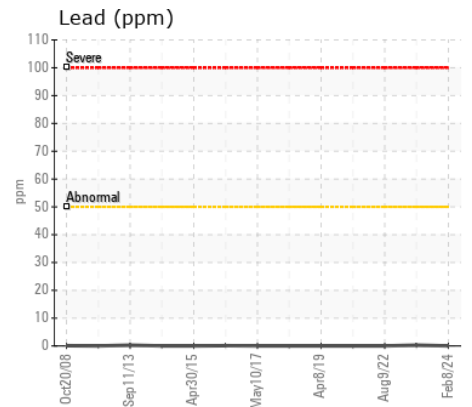
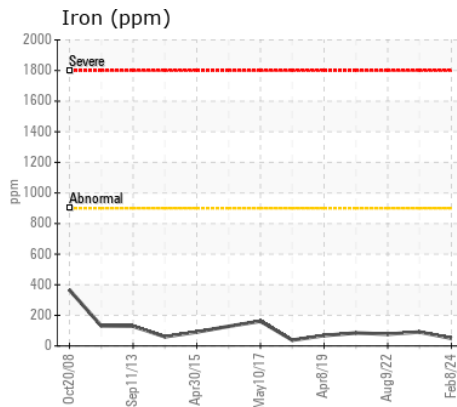
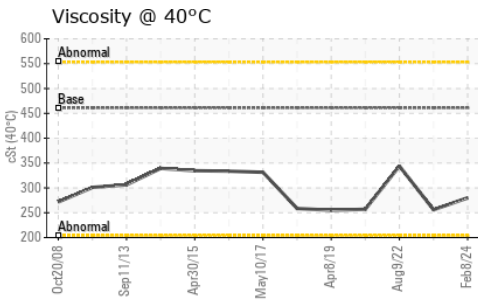
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	15	5	8
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	3	<1
Boron	ppm	ASTM D5185m		217	145	207
Barium	ppm	ASTM D5185m		12	<1	2
Molybdenum	ppm	ASTM D5185m		1	4	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		9	19	7
Calcium	ppm	ASTM D5185m		102	186	53
Phosphorus	ppm	ASTM D5185m		1332	851	992
Zinc	ppm	ASTM D5185m		36	112	35
Sulfur	ppm	ASTM D5185m		36171	22945	23785
Visc @ 40°C	cSt	ASTM D445	461	280	256	344



Certificate L2367

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

Sample No. : VCP443154

Lab Number : 06089152

Unique Number : 10876597

Test Package : MOB 1

Received : 14 Feb 2024

Tested : 15 Feb 2024

Diagnosed : 16 Feb 2024 - Jonathan Hester

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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)