



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[12046]**  
Machine Id  
**VOLVO A35D 72314**  
Component  
**Transmission (Auto)**  
Fluid  
**DEXRON III (--- GAL)**

### RECOMMENDATION

We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP443200</b>	VCP389240	VCP310231
Sample Date		Client Info		<b>06 Feb 2024</b>	30 Sep 2022	29 Jul 2021
Machine Age	hrs	Client Info		<b>11246</b>	10575	9836
Oil Age	hrs	Client Info		<b>0</b>	1000	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

Clutch and/or bushing/bearing wear is indicated.

Iron	ppm	ASTM D5185m	>160	<b>12</b>	25	15
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>8</b>	12	8
Lead	ppm	ASTM D5185m	>50	<b>3</b>	11	8
Copper	ppm	ASTM D5185m	>225	<b>▲ 259</b>	▲ 494	▲ 286
Tin	ppm	ASTM D5185m	>10	<b>▲ 10</b>	▲ 23	▲ 14
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

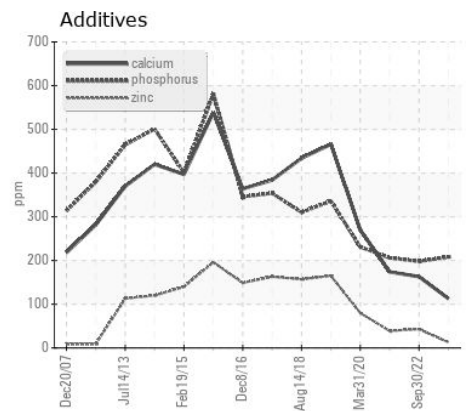
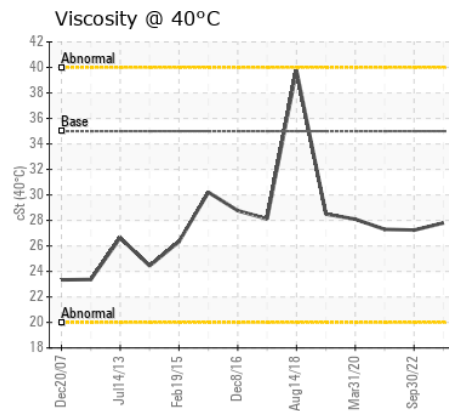
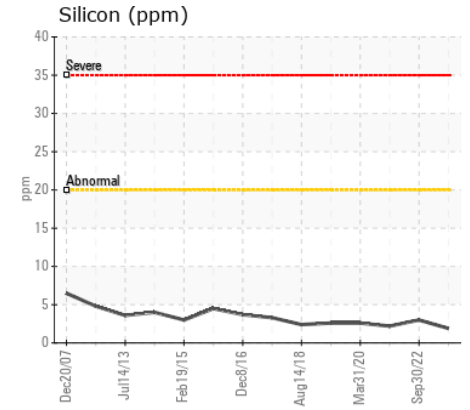
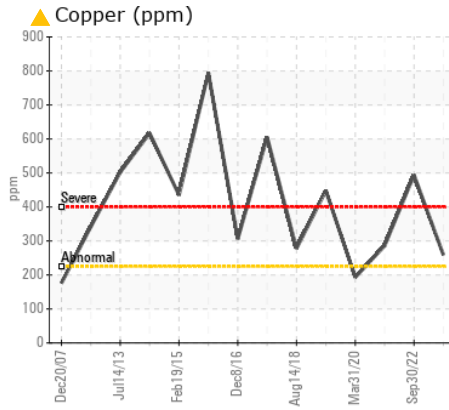
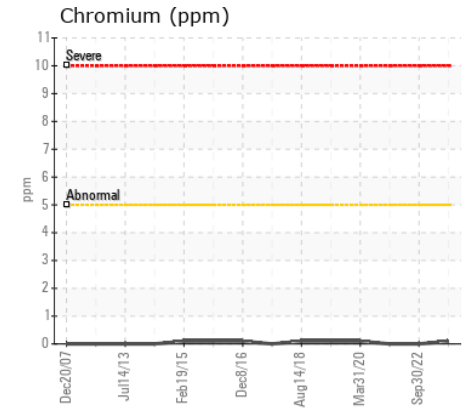
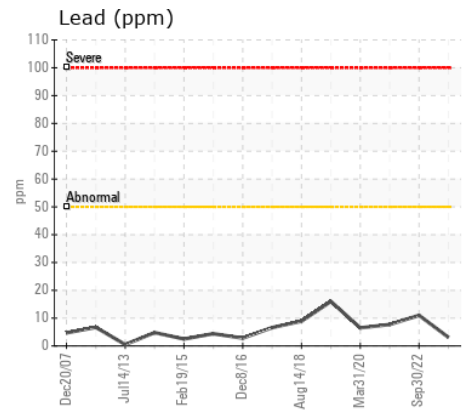
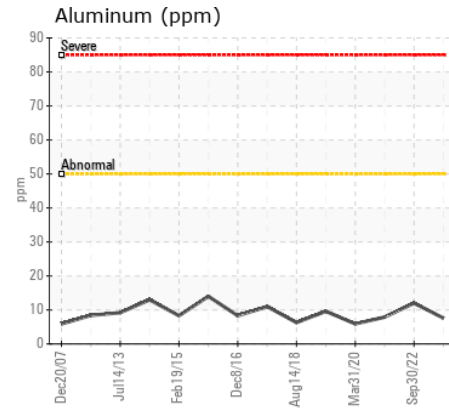
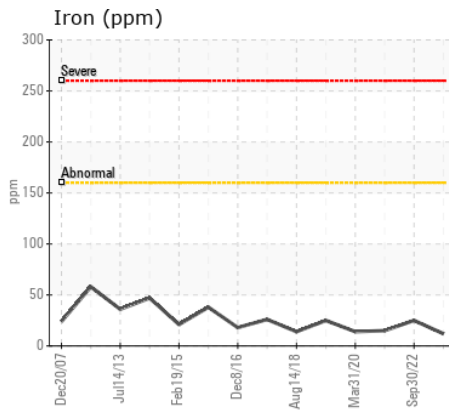
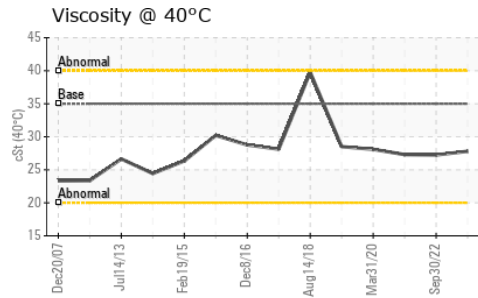
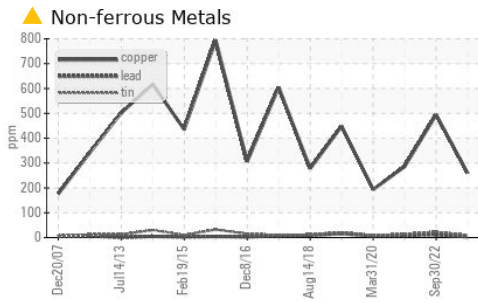
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	4	4
Boron	ppm	ASTM D5185m		<b>98</b>	66	114
Barium	ppm	ASTM D5185m		<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>4</b>	10	10
Calcium	ppm	ASTM D5185m		<b>113</b>	163	174
Phosphorus	ppm	ASTM D5185m		<b>208</b>	198	206
Zinc	ppm	ASTM D5185m		<b>13</b>	43	39
Sulfur	ppm	ASTM D5185m		<b>1432</b>	2063	1673
Visc @ 40°C	cSt	ASTM D445	35.0	<b>27.8</b>	27.24	27.3



Certificate L2367

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

**Sample No.** : VCP443200

**Lab Number** : 06086412

**Unique Number** : 10873857

**Test Package** : MOB 1

**Received** : 12 Feb 2024

**Tested** : 13 Feb 2024

**Diagnosed** : 13 Feb 2024 - Don Baldrige

**JAMES J ANDERSON**

6958 TORRESDALE AVENUE

PHILADELPHIA, PA

US 19135

Contact: JOHN HERBUT

herb@jjaconstruction.com

T: (215)850-9051

F: (215)427-0208

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)