



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A40F 12386**  
Component  
**Wet Disc Brake**  
Fluid  
**MOBIL MOBILFLUID 424 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP447519</b>	VCP435809	VCP402898
Sample Date		Client Info		<b>18 Jun 2024</b>	22 Feb 2024	19 Jul 2023
Machine Age	hrs	Client Info		<b>13301</b>	12894	11382
Oil Age	hrs	Client Info		<b>1919</b>	1512	1999
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>17</b>	18	20
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	<1	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>75	<b>21</b>	22	32
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

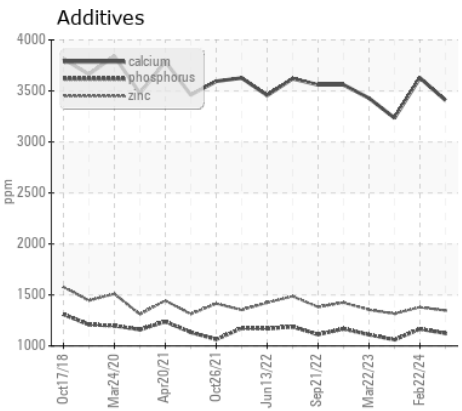
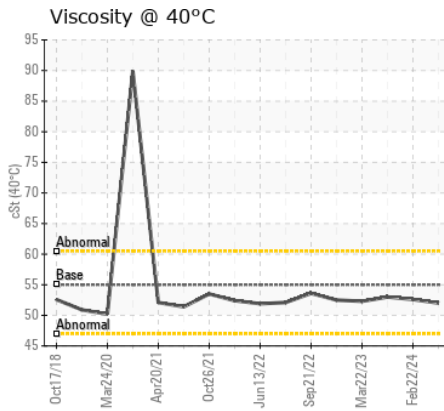
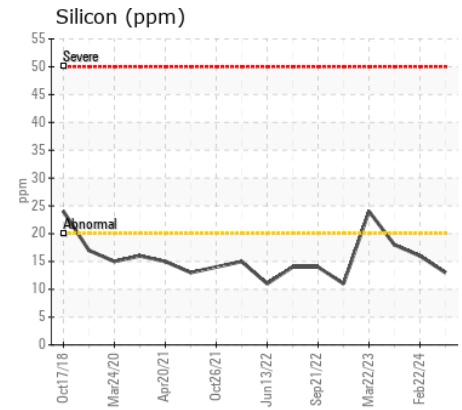
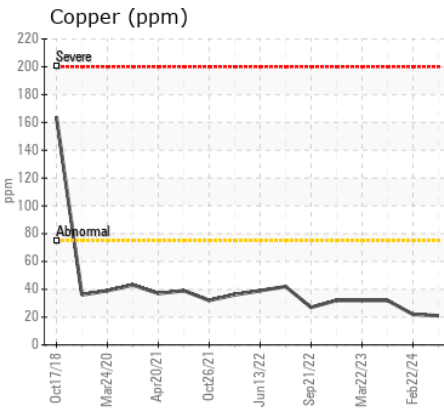
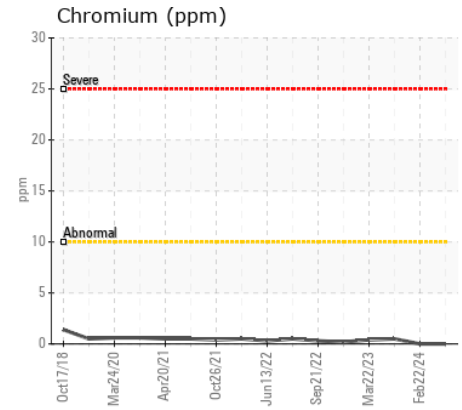
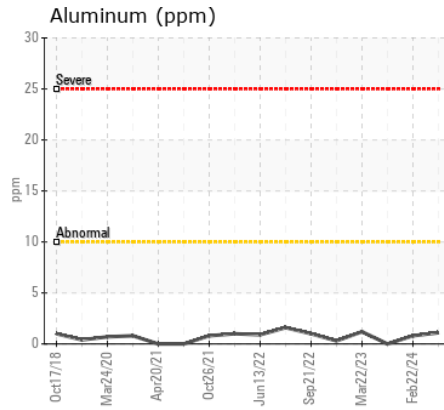
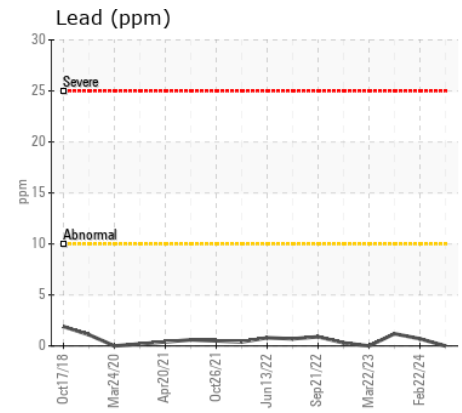
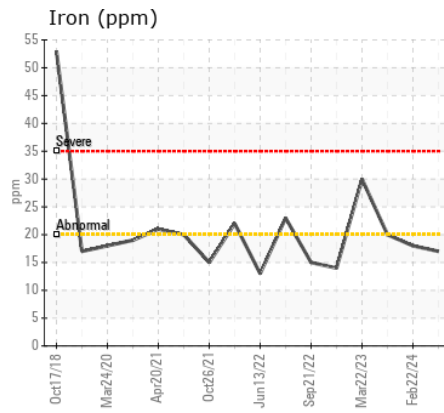
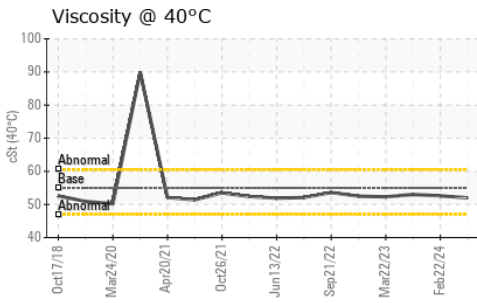
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>13</b>	16	18
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>3</b>	3	4
Boron	ppm	ASTM D5185m		<b>100</b>	105	114
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>18</b>	19	22
Calcium	ppm	ASTM D5185m		<b>3409</b>	3628	3235
Phosphorus	ppm	ASTM D5185m		<b>1124</b>	1167	1061
Zinc	ppm	ASTM D5185m		<b>1347</b>	1380	1316
Sulfur	ppm	ASTM D5185m		<b>7471</b>	7430	6320
Visc @ 40°C	cSt	ASTM D445	55	<b>52.0</b>	52.6	53.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP447519  
**Lab Number** : 06227901  
**Unique Number** : 11111394  
**Test Package** : MOB 1

**Received** : 03 Jul 2024  
**Tested** : 05 Jul 2024  
**Diagnosed** : 07 Jul 2024 - Don Baldrige

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486

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)