



# VOLVO

## OIL ANALYSIS REPORT

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

Area  
**TMR-Opa Locka [730366]**  
Machine Id  
**4419 VOLVO L180H 31479**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- QTS)**



### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP413098</b>	DJJ022735	DJJ022570
Sample Date		Client Info		<b>10 Jul 2024</b>	05 Apr 2024	20 Nov 2018
Machine Age	hrs	Client Info		<b>12654</b>	12103	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>70</b>	65	▲ 109
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
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>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>6</b>	5	6
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

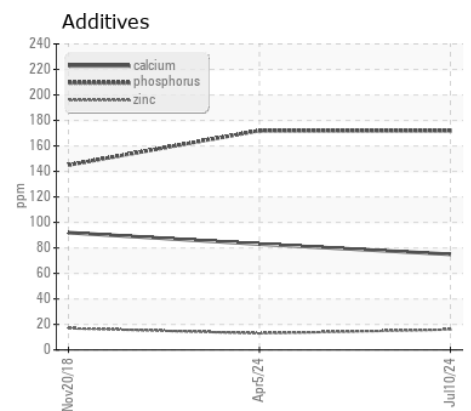
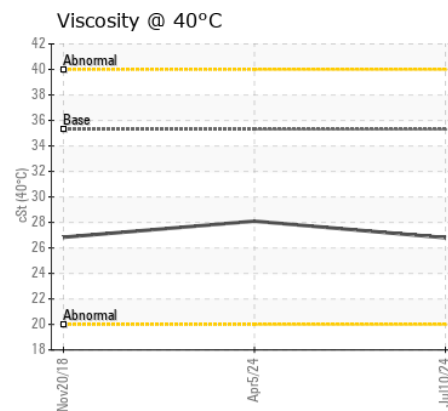
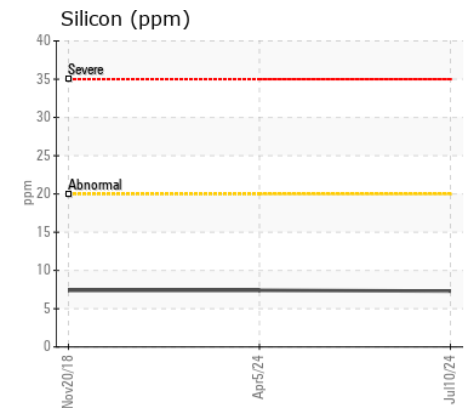
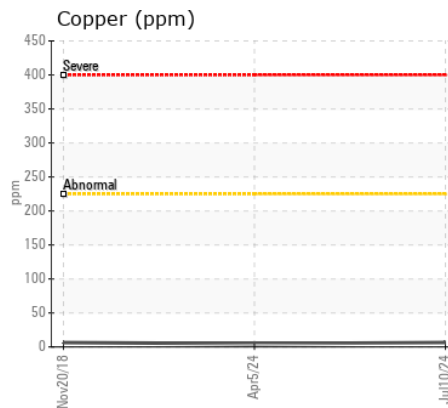
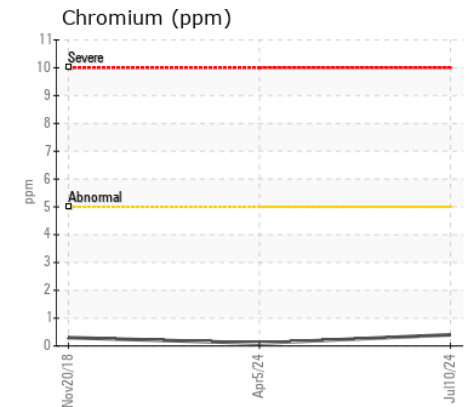
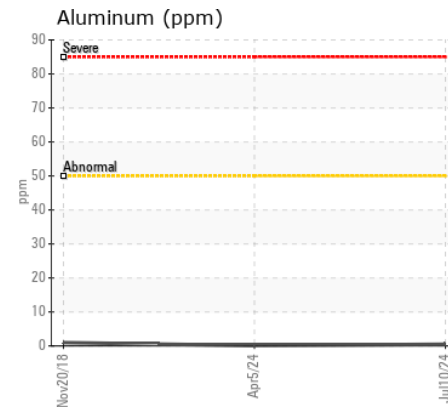
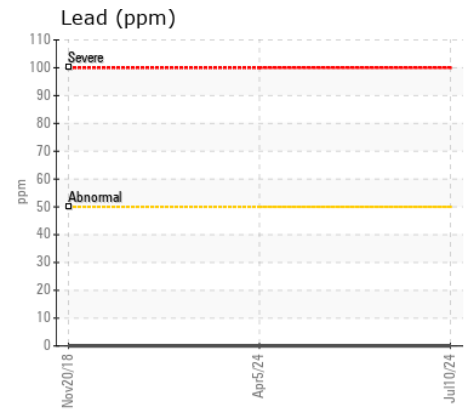
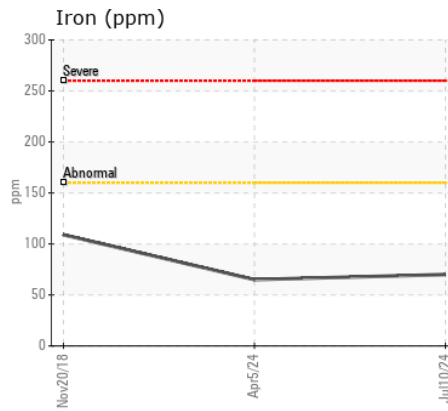
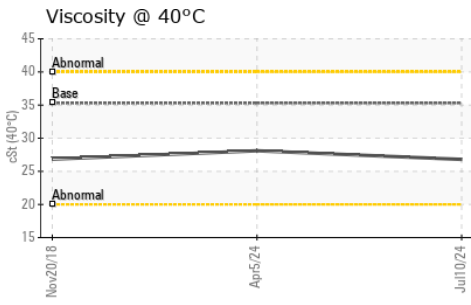
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>7</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</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>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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>5</b>	4	5
Boron	ppm	ASTM D5185m	187	<b>64</b>	67	48
Barium	ppm	ASTM D5185m	0.0	<b>4</b>	4	3
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.0	<b>4</b>	4	5
Magnesium	ppm	ASTM D5185m	6.8	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m	215	<b>75</b>	83	92
Phosphorus	ppm	ASTM D5185m	445	<b>172</b>	172	145
Zinc	ppm	ASTM D5185m	56	<b>16</b>	13	17
Sulfur	ppm	ASTM D5185m	1336	<b>1972</b>	2635	1958
Visc @ 40°C	cSt	ASTM D445	35.3	<b>26.8</b>	28.1	26.84



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP413098  
**Lab Number** : 06239513  
**Unique Number** : 11128347  
**Test Package** : MOB 1

**Received** : 17 Jul 2024  
**Tested** : 18 Jul 2024  
**Diagnosed** : 19 Jul 2024 - Sean Felton

**TRADEMARK METALS RECYCLING - EVERGLADES**  
 3440 NW 135TH ST  
 OPA LOCKA, FL  
 US 33054  
 Contact: RYAN BOWDEN

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)

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