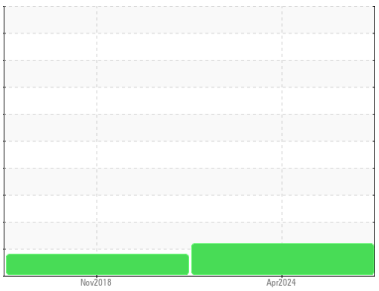
OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL

Area
TMR-Opa Locka [SPM689439]
Machine Id
4419 VOLVO L180H 31479
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- QTS)

DIAGNOSIS

Recommendation
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
Moderate concentration of visible metal present. All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**DJJ022735**	DJJ022570	---
Sample Date		Client Info		**05 Apr 2024**	20 Nov 2018	---
Machine Age	hrs	Client Info		**12103**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	N/A	---
Sample Status				**ABNORMAL**	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	---

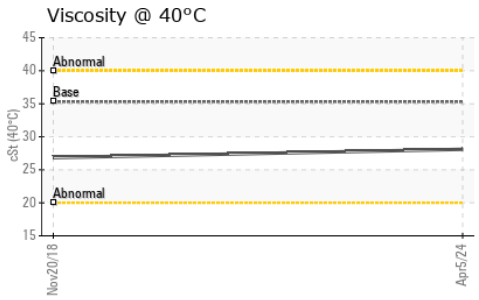
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	**65**	▲ 109	---
Chromium	ppm	ASTM D5185m	>5	**<1**	<1	---
Nickel	ppm	ASTM D5185m	>5	**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m	>5	**0**	0	---
Aluminum	ppm	ASTM D5185m	>50	**<1**	1	---
Lead	ppm	ASTM D5185m	>50	**0**	0	---
Copper	ppm	ASTM D5185m	>225	**5**	6	---
Tin	ppm	ASTM D5185m	>10	**0**	0	---
Antimony	ppm	ASTM D5185m		**---**	0	---
Vanadium	ppm	ASTM D5185m		**<1**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	187	**67**	48	---
Barium	ppm	ASTM D5185m	0.0	**4**	3	---
Molybdenum	ppm	ASTM D5185m	0.0	**0**	0	---
Manganese	ppm	ASTM D5185m	0.0	**4**	5	---
Magnesium	ppm	ASTM D5185m	6.8	**0**	<1	---
Calcium	ppm	ASTM D5185m	215	**83**	92	---
Phosphorus	ppm	ASTM D5185m	445	**172**	145	---
Zinc	ppm	ASTM D5185m	56	**13**	17	---
Sulfur	ppm	ASTM D5185m	1336	**2635**	1958	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**7**	7	---
Sodium	ppm	ASTM D5185m		**4**	5	---
Potassium	ppm	ASTM D5185m	>20	**<1**	1	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ **MODER**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

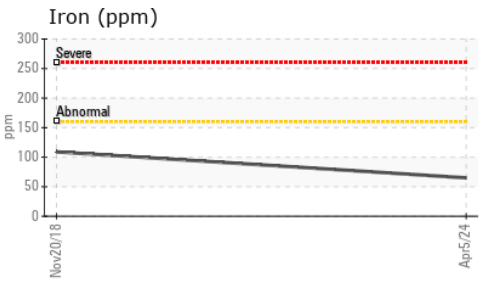
OIL ANALYSIS REPORT

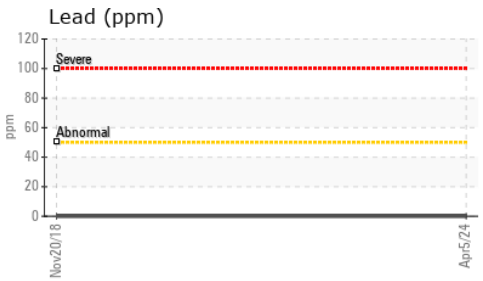


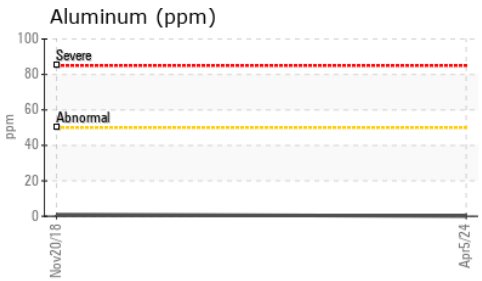
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.3	**28.1**	26.84	---

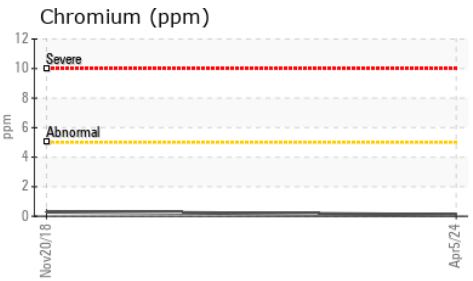
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

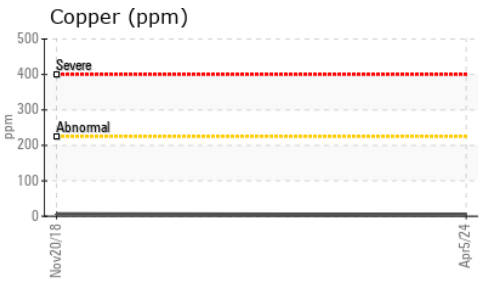
GRAPHS

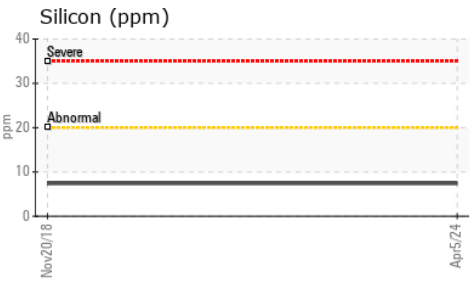


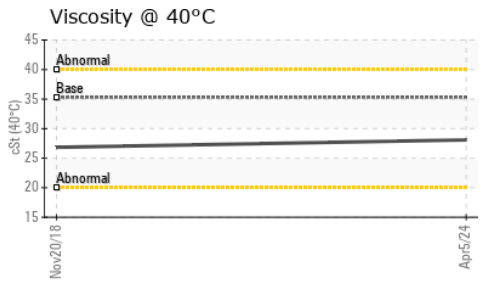


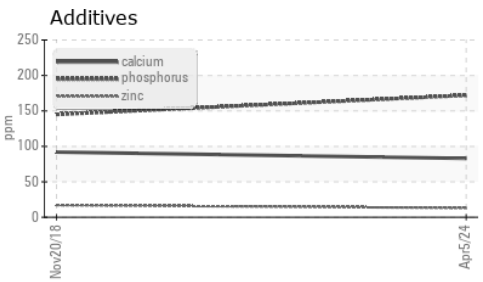












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ022735
Lab Number : 06144721
Unique Number : 10969529
Test Package : MOB 1

Received : 10 Apr 2024
Tested : 11 Apr 2024
Diagnosed : 13 Apr 2024 - Don Baldridge

Certificate L2367

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)

TRADEMARK METALS RECYCLING - EVERGLADES
3440 NW 135TH ST
OPA LOCKA, FL
US 33054
Contact: RYAN BOWDEN
T:
F: (305)681-4914