



WEAR
CONTAMINATION
FLUID CONDITION

NORMAL
ATTENTION
NORMAL



Machine Id
VOLVO A40G 74 (S/N 700341317)
Component
Hydraulic System
Fluid
MULTI TRAC HYDRO (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0000426	WC0542503	---
Sample Date		Client Info		10 Nov 2023	27 Jul 2021	---
Machine Age	hrs	Client Info		10513	6176	---
Oil Age	hrs	Client Info		2000	2336	---
Filter Age	hrs	Client Info		0	2336	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	20	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	3	3	---
Lead	ppm	ASTM D5185m	>20	2	3	---
Copper	ppm	ASTM D5185m	>150	5	10	---
Tin	ppm	ASTM D5185m	>20	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

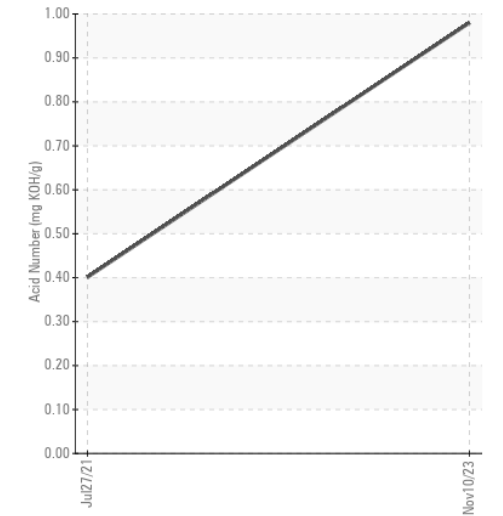
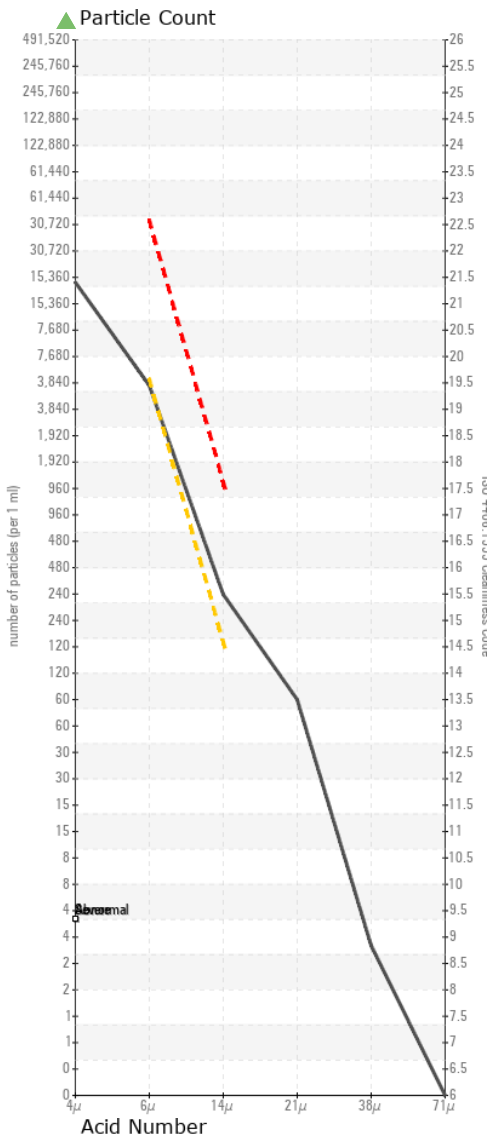
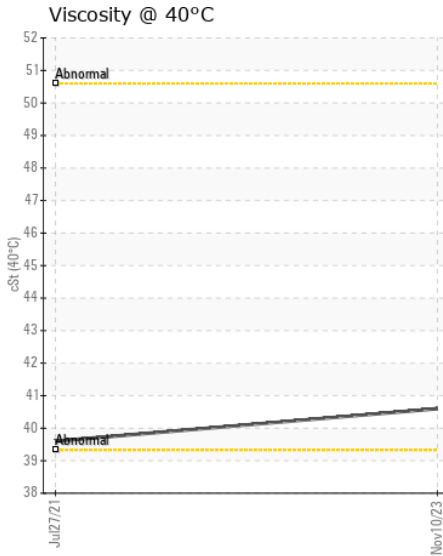
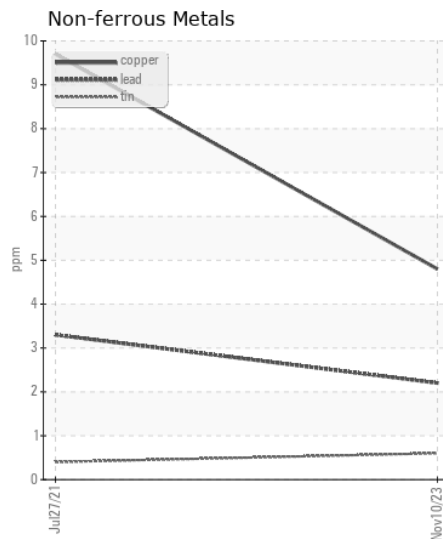
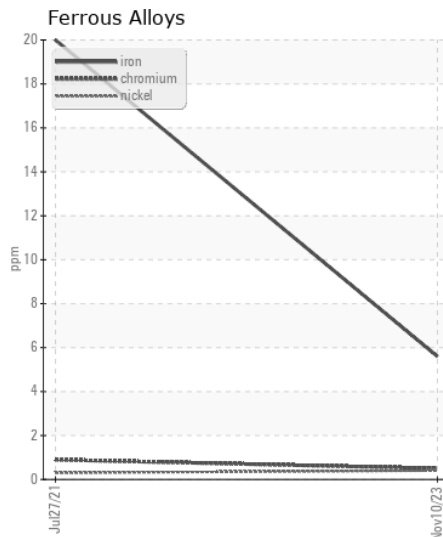
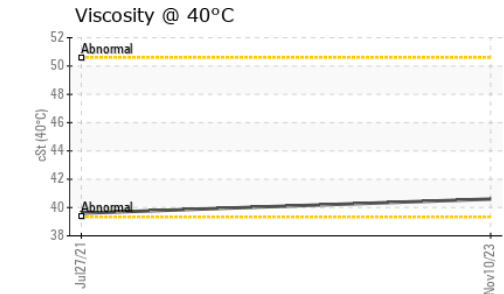
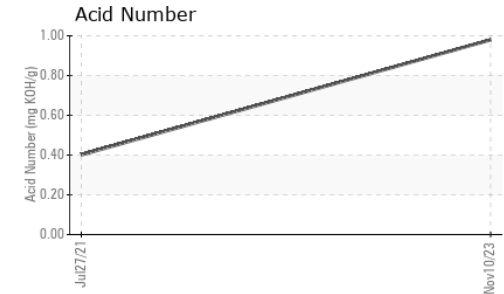
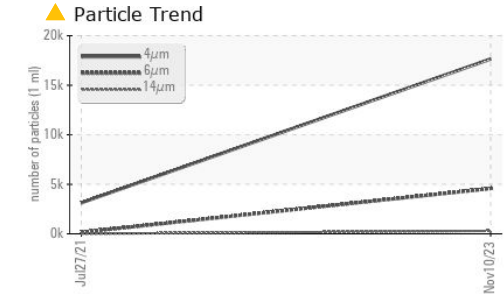
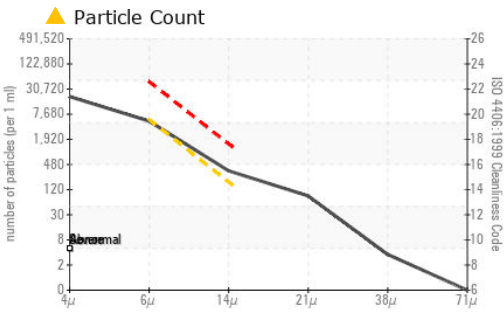
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	13	7	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647		17650	3131	---
Particles >6µm		ASTM D7647	>5000	4577	153	---
Particles >14µm		ASTM D7647	>160	▲ 297	4	---
Particles >21µm		ASTM D7647	>40	▲ 75	1	---
Particles >38µm		ASTM D7647	>10	3	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>-/19/14	▲ 21/19/15	19/14/9	---
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	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	3	---
Boron	ppm	ASTM D5185m		17	6	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		6	1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		75	11	---
Calcium	ppm	ASTM D5185m		1853	334	---
Phosphorus	ppm	ASTM D5185m		857	401	---
Zinc	ppm	ASTM D5185m		960	483	---
Sulfur	ppm	ASTM D5185m		3497	2952	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.98	0.401	---
Visc @ 40°C	cSt	ASTM D445		40.6	39.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LP0000426
Lab Number : 06013246
Unique Number : 10752390
Test Package : MOB 2

Received : 20 Nov 2023
Tested : 21 Nov 2023
Diagnosed : 21 Nov 2023 - Wes Davis

S.M. LORUSSO & SONS
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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)