



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W02008428]
Machine Id
VOLVO L70G 614490
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: W02008428)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002422	---	---
Sample Date		Client Info		19 Jun 2024	---	---
Machine Age	hrs	Client Info		12915	---	---
Oil Age	hrs	Client Info		12915	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	---	---
Chromium	ppm	ASTM D5185m	>20	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	3	---	---
Lead	ppm	ASTM D5185m	>20	2	---	---
Copper	ppm	ASTM D5185m	>150	4	---	---
Tin	ppm	ASTM D5185m	>20	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

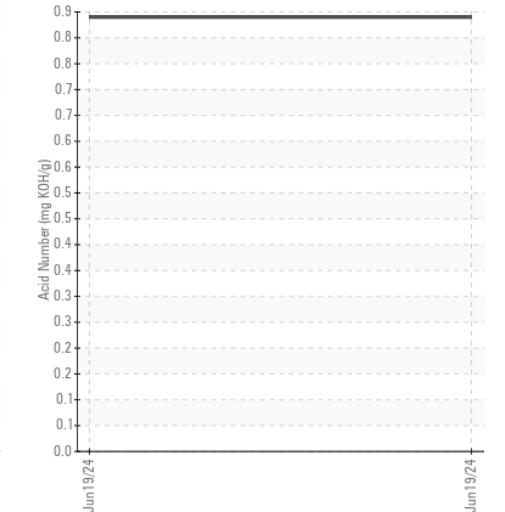
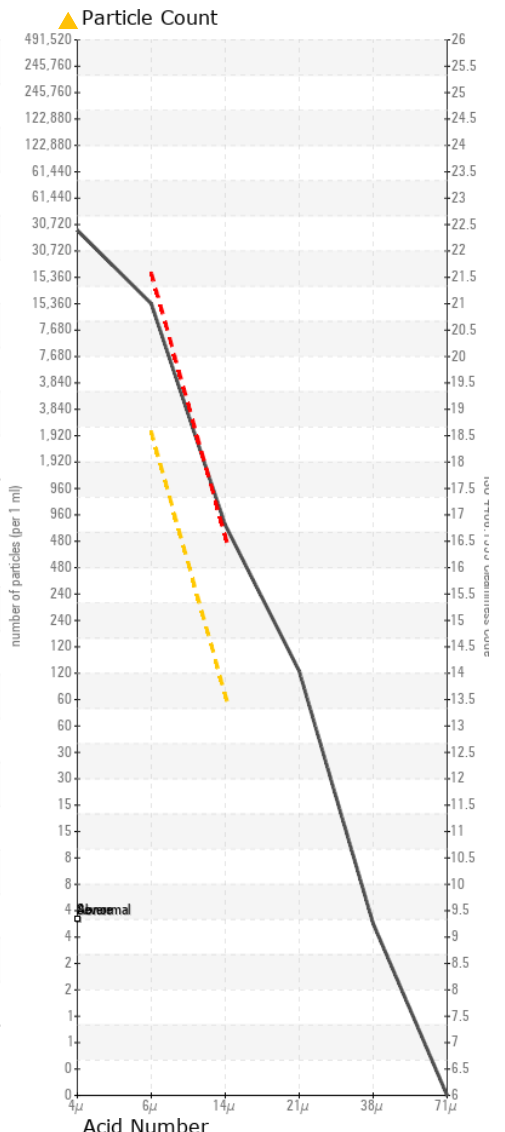
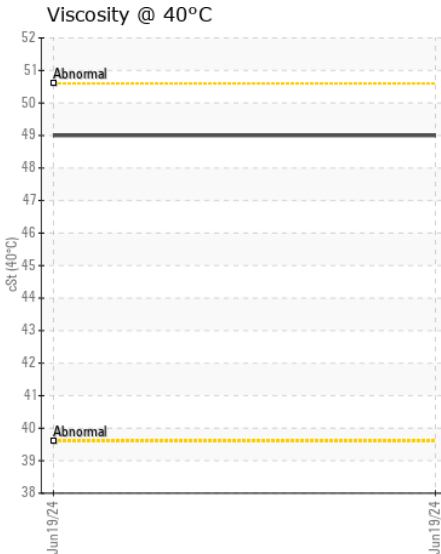
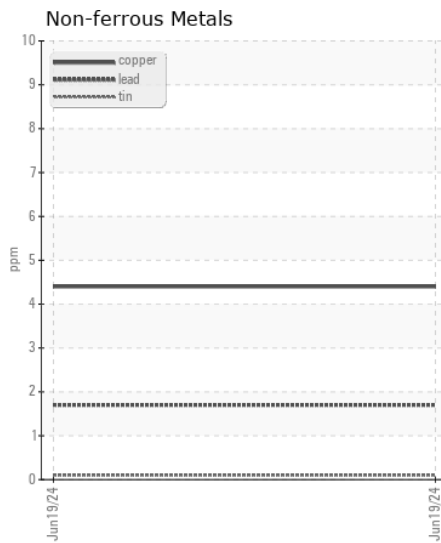
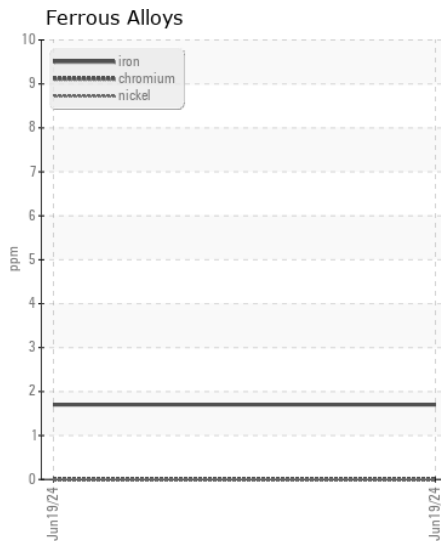
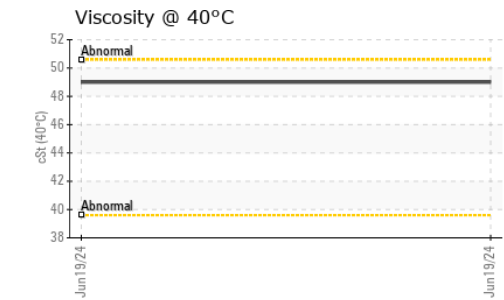
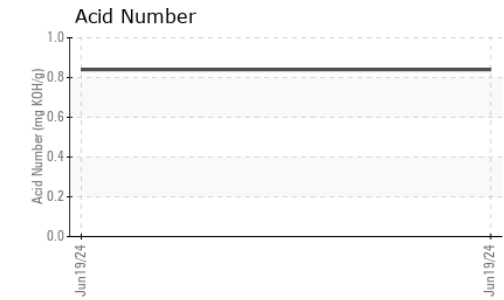
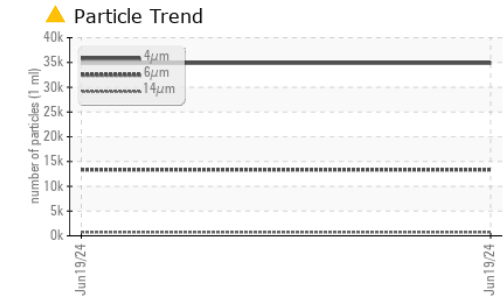
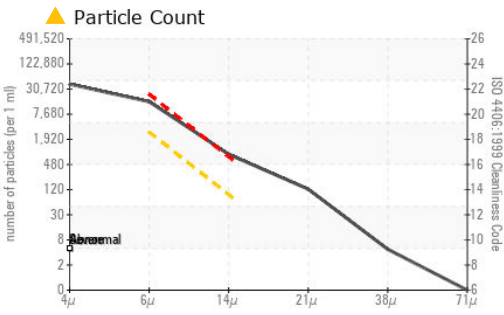
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	18	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647		34876	---	---
Particles >6µm		ASTM D7647	>2500	▲ 13346	---	---
Particles >14µm		ASTM D7647	>80	▲ 737	---	---
Particles >21µm		ASTM D7647	>20	▲ 109	---	---
Particles >38µm		ASTM D7647	>4	▲ 4	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>-/18/13	▲ 22/21/17	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	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		10	---	---
Boron	ppm	ASTM D5185m		101	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		43	---	---
Calcium	ppm	ASTM D5185m		3185	---	---
Phosphorus	ppm	ASTM D5185m		1115	---	---
Zinc	ppm	ASTM D5185m		1369	---	---
Sulfur	ppm	ASTM D5185m		9270	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.84	---	---
Visc @ 40°C	cSt	ASTM D445		49.0	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002422 **Received** : 20 Jun 2024
Lab Number : 06216274 **Tested** : 21 Jun 2024
Unique Number : 11089138 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : CONST

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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)