



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Machine Id
VOLVO A40G 342610
Component
Hydraulic System
Fluid
MOBIL 10W (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

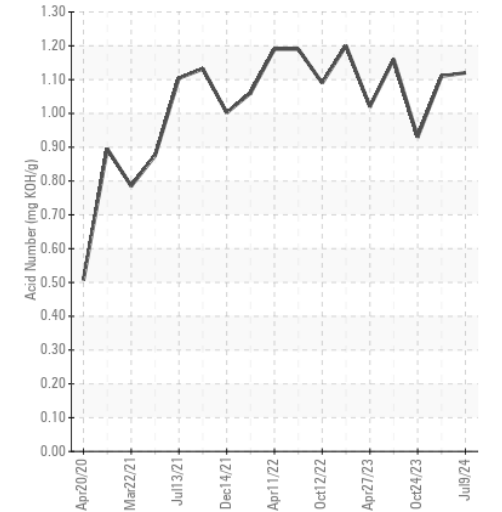
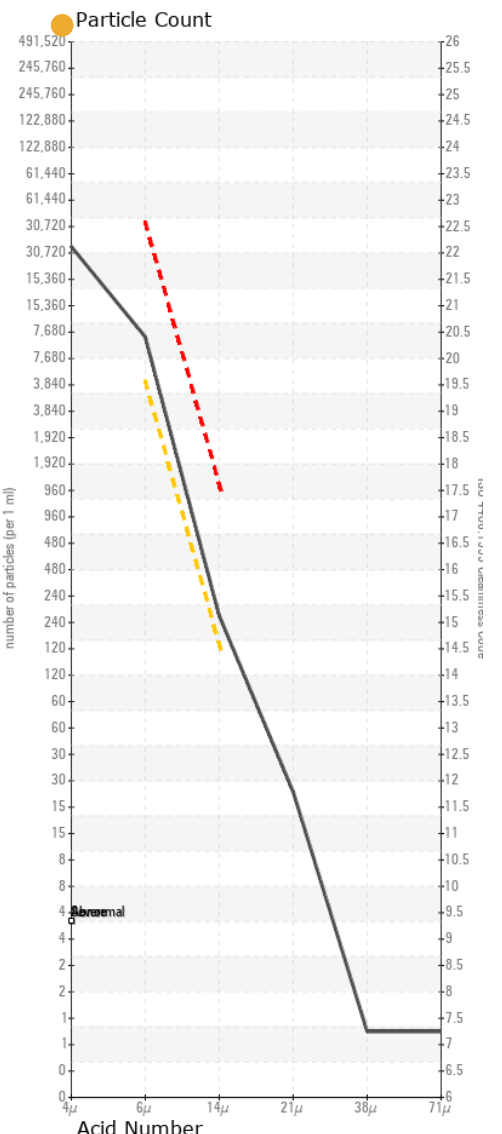
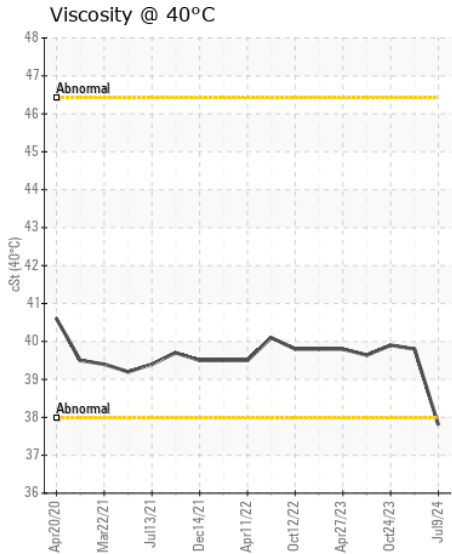
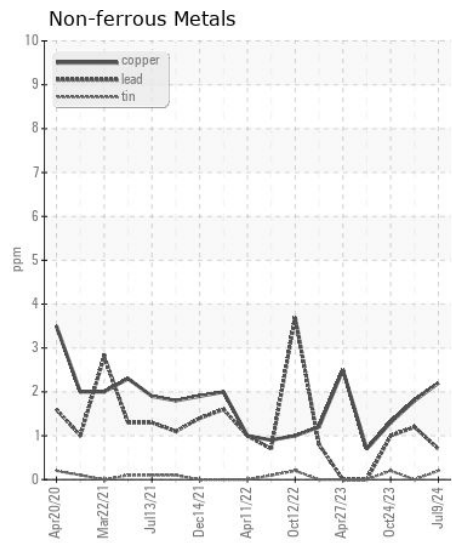
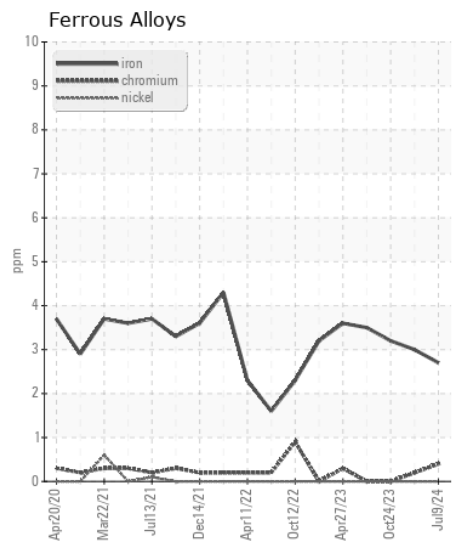
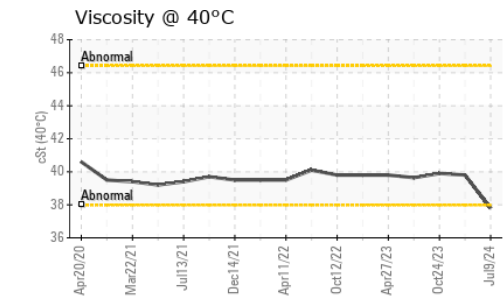
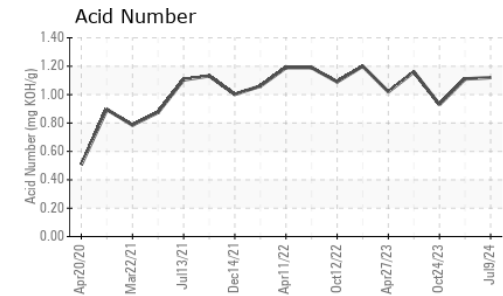
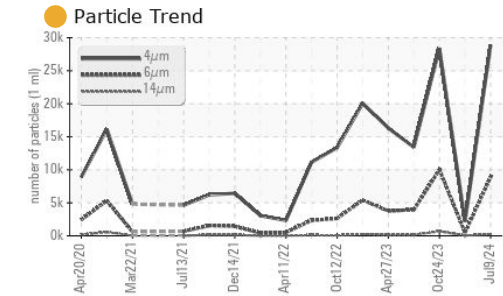
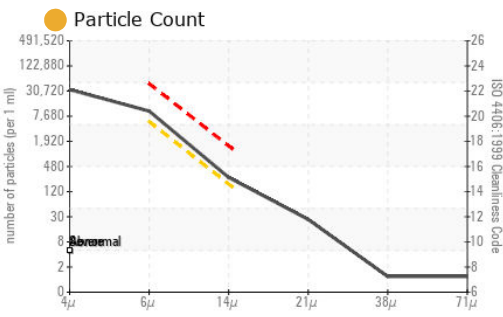
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446259	VCP339700	VCP362647
Sample Date		Client Info		09 Jul 2024	04 Dec 2023	24 Oct 2023
Machine Age	hrs	Client Info		12155	10786	10504
Oil Age	hrs	Client Info		1368	2020	1738
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	3	3	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	3	3
Lead	ppm	ASTM D5185m	>20	<1	1	1
Copper	ppm	ASTM D5185m	>150	2	2	1
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	15	15	15
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		28865	2196	28374
Particles >6µm		ASTM D7647	>5000	8870	486	10019
Particles >14µm		ASTM D7647	>160	231	34	685
Particles >21µm		ASTM D7647	>40	23	9	172
Particles >38µm		ASTM D7647	>10	1	1	5
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>-/19/14	22/20/15	18/16/12	22/21/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	4	4
Boron	ppm	ASTM D5185m		2	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	3	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		24	21	28
Calcium	ppm	ASTM D5185m		3364	2773	2797
Phosphorus	ppm	ASTM D5185m		867	838	830
Zinc	ppm	ASTM D5185m		1090	975	1008
Sulfur	ppm	ASTM D5185m		6990	6477	6446
Acid Number (AN)	mg KOH/g	ASTM D8045		1.12	1.11	0.93
Visc @ 40°C	cSt	ASTM D445		37.8	39.8	39.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446259
Lab Number : 06240237
Unique Number : 11129071
Test Package : MOB 2
Received : 18 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 20 Jul 2024 - Don Baldridge

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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)