



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Machine Id
VOLVO A40G 342608
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.

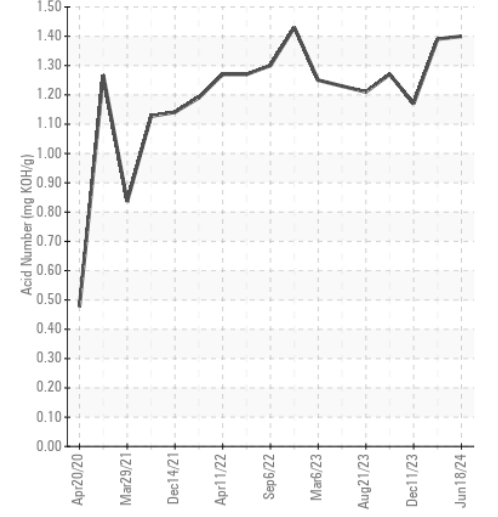
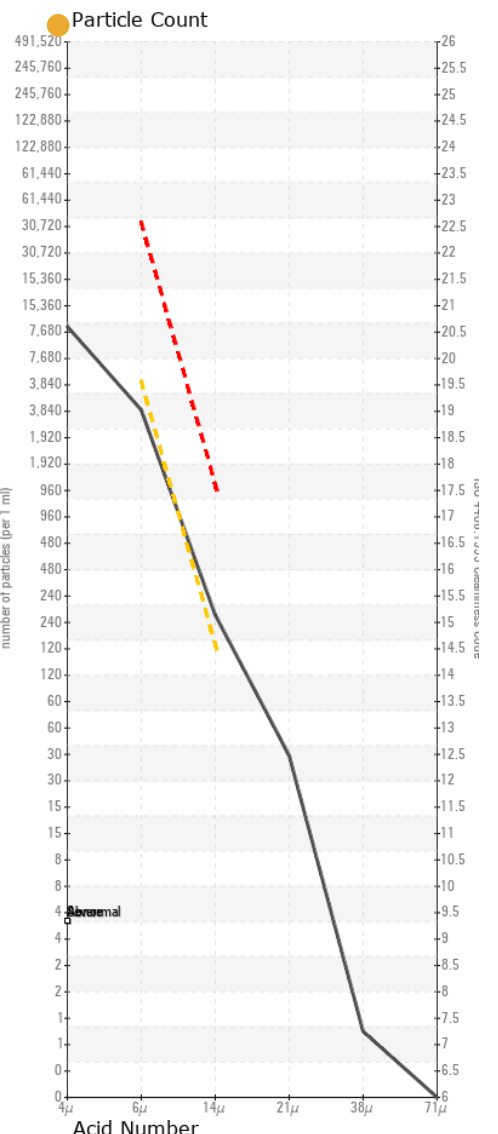
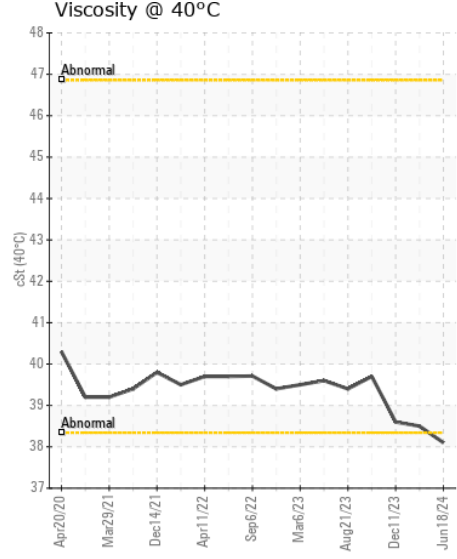
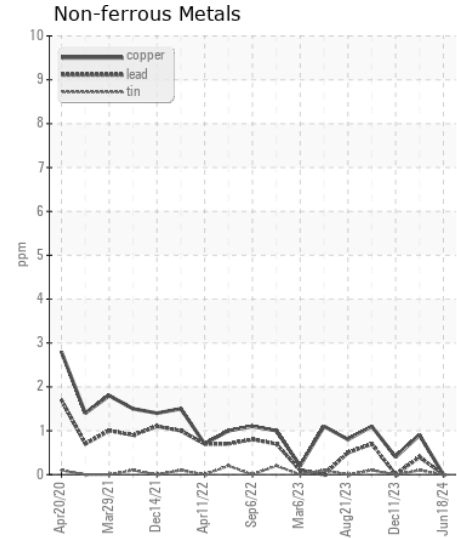
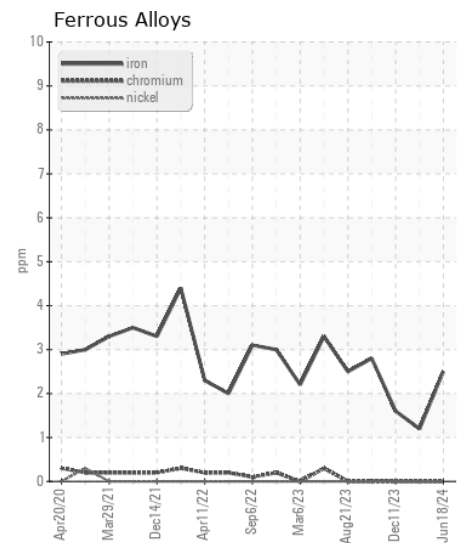
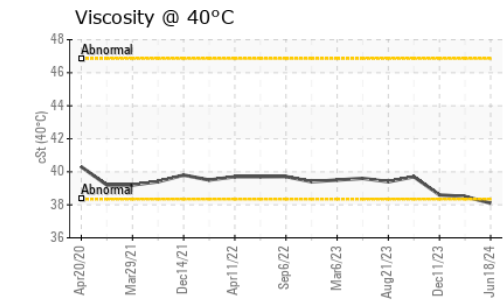
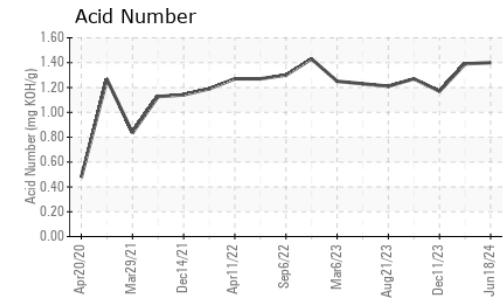
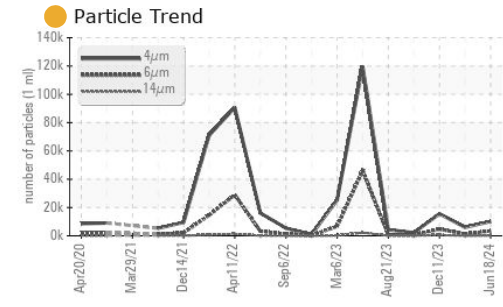
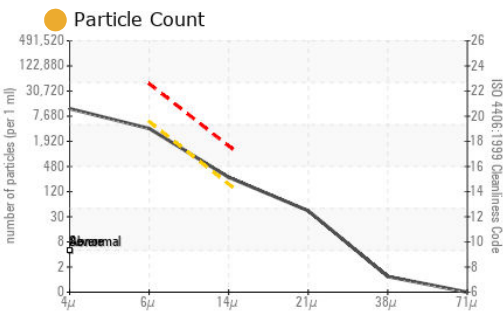
CONTAMINATION

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		VCP447657	VCP433635	VCP331575
Sample Date		Client Info		18 Jun 2024	02 Apr 2024	11 Dec 2023
Machine Age	hrs	Client Info		12203	11716	11060
Oil Age	hrs	Client Info		1544	1057	401
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	2	1	2
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>150	0	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	13	13	12
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		10161	5993	15616
Particles >6µm		ASTM D7647	>5000	3407	1274	4799
Particles >14µm		ASTM D7647	>160	233	32	554
Particles >21µm		ASTM D7647	>40	37	4	156
Particles >38µm		ASTM D7647	>10	1	0	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/19/14	21/19/15	20/17/12	21/19/16
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		3	4	2
Boron	ppm	ASTM D5185m		1	<1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		21	21	21
Calcium	ppm	ASTM D5185m		3271	3429	3281
Phosphorus	ppm	ASTM D5185m		898	951	896
Zinc	ppm	ASTM D5185m		1012	1090	1066
Sulfur	ppm	ASTM D5185m		7788	8198	6816
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	1.39	1.17
Visc @ 40°C	cSt	ASTM D445		38.1	38.5	38.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP447657
Lab Number : 06227335
Unique Number : 11110828
Test Package : MOB 2
Received : 03 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 06 Jul 2024 - Don Baldrige

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486

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)