



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[G08921]
 Machine Id
VOLVO L60E 60214
 Component
Hydraulic System
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449852	VCP090432	VC520823
Sample Date		Client Info		12 Jun 2024	21 Jul 2009	26 Jun 2007
Machine Age	hrs	Client Info		5013	4000	2988
Oil Age	hrs	Client Info		0	2000	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	3	3	2
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	2	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	4	<1
Lead	ppm	ASTM D5185m	>20	<1	3	0
Copper	ppm	ASTM D5185m	>150	6	3	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

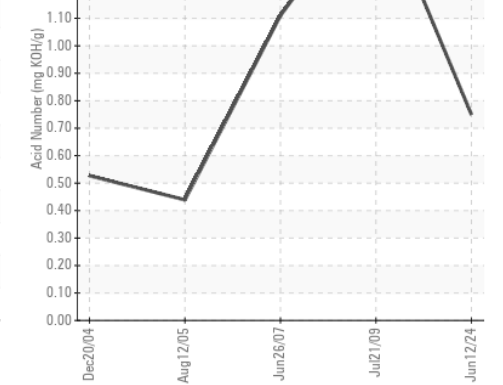
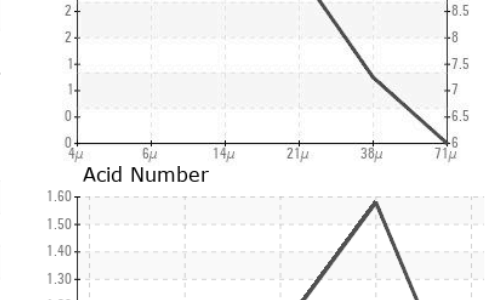
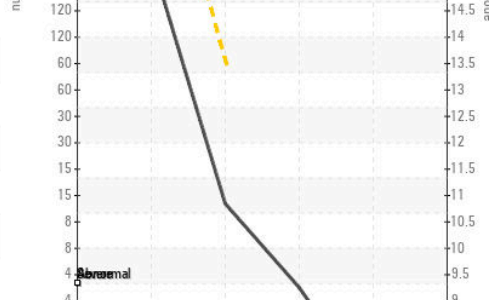
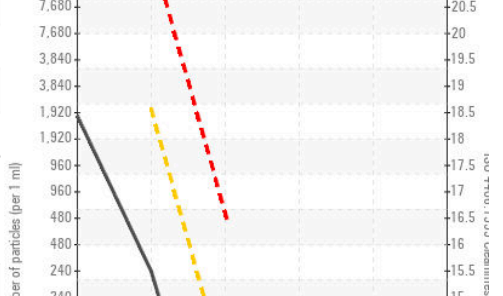
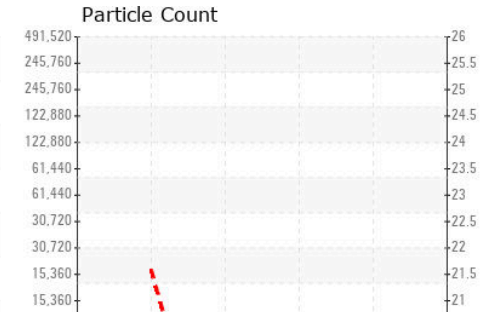
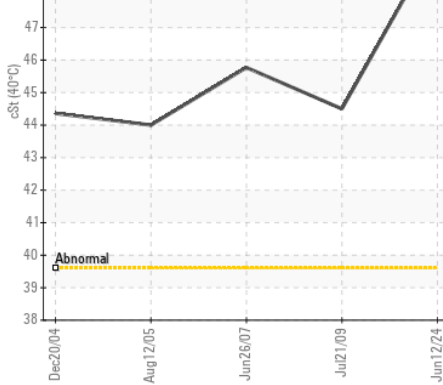
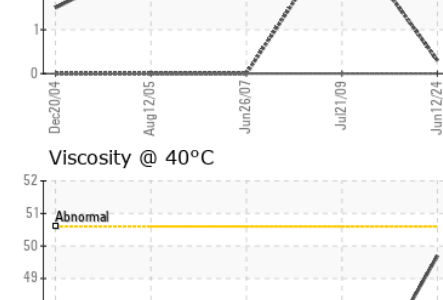
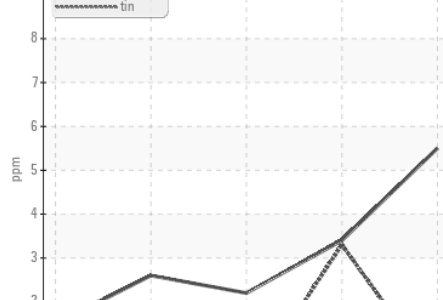
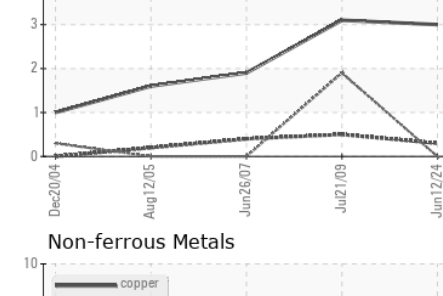
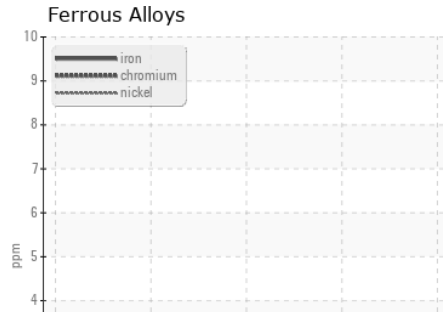
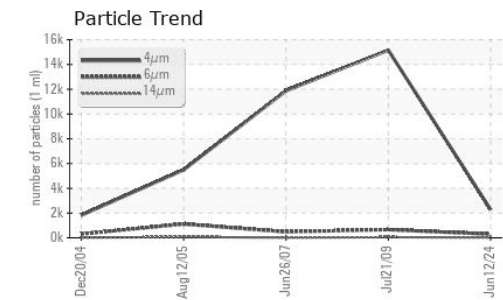
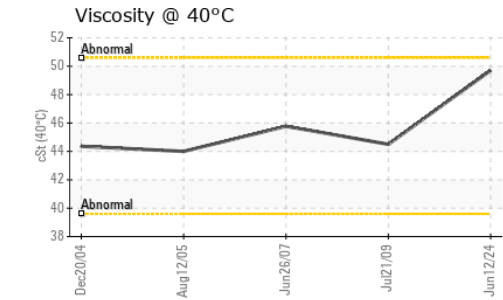
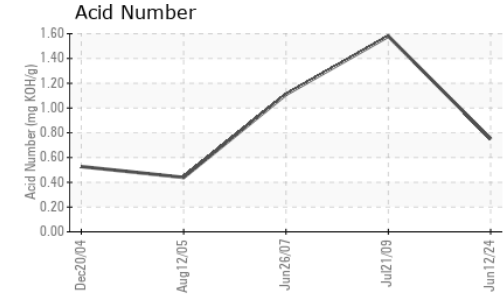
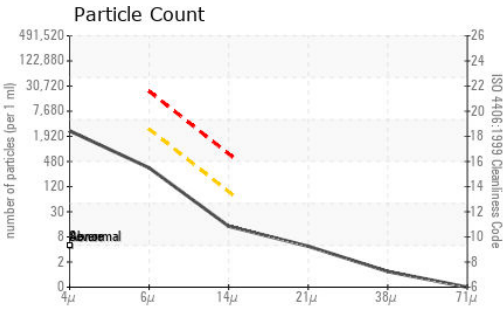
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	11	2	6
Potassium	ppm	ASTM D5185m	>20	0	12	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		2276	15158	11872
Particles >6µm		ASTM D7647	>2500	297	662	482
Particles >14µm		ASTM D7647	>80	12	51	12
Particles >21µm		ASTM D7647	>20	4	12	5
Particles >38µm		ASTM D7647	>4	1	2	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/18/13	18/15/11	21/17/13	21/16/11
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	3	6
Boron	ppm	ASTM D5185m		89	52	55
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		3	<1	<1
Manganese	ppm	ASTM D5185m		<1	3	<1
Magnesium	ppm	ASTM D5185m		31	6	6
Calcium	ppm	ASTM D5185m		2872	1929	1949
Phosphorus	ppm	ASTM D5185m		986	857	797
Zinc	ppm	ASTM D5185m		1232	1022	1018
Sulfur	ppm	ASTM D5185m		8107	6950	5908
Acid Number (AN)	mg KOH/g	ASTM D8045		0.75	1.58	1.11
Visc @ 40°C	cSt	ASTM D445		49.7	44.5	45.77



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP449852
Lab Number : 06212295
Unique Number : 11085159
Test Package : MOB 2

Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Wes Davis

OLD BRIDGE CONSTRUCTION CO.
 6000 SAGEMORE DR. SUITE 6301
 MARLTON, NJ
 US 08053
 Contact: SERVICE MANAGER

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)

T: (856)985-1200

F: