



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[3936/38-40 H&J]
Machine Id
VOLVO A30G 752416
Component
Hydraulic System
Fluid
VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP413385	VCP415561	VCP425854
Sample Date		Client Info		29 Jan 2024	13 Jul 2023	03 May 2023
Machine Age	hrs	Client Info		4086	6366	3168
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	11	14	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	8	6
Lead	ppm	ASTM D5185m	>20	3	2	3
Copper	ppm	ASTM D5185m	>150	4	4	4
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

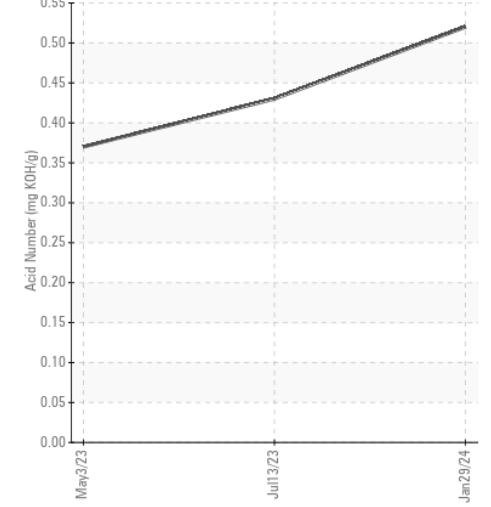
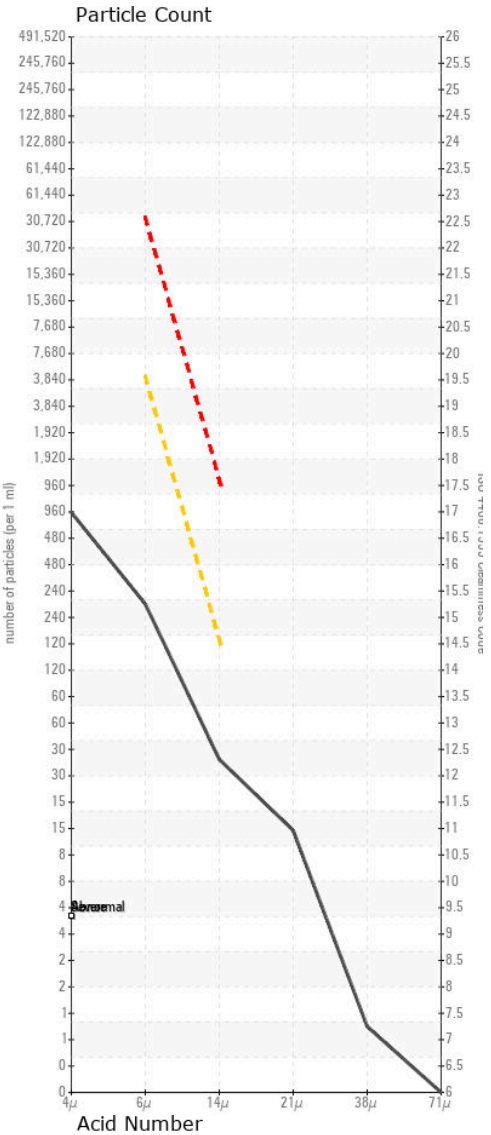
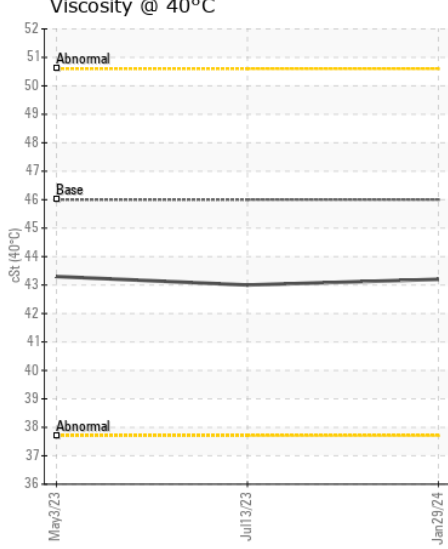
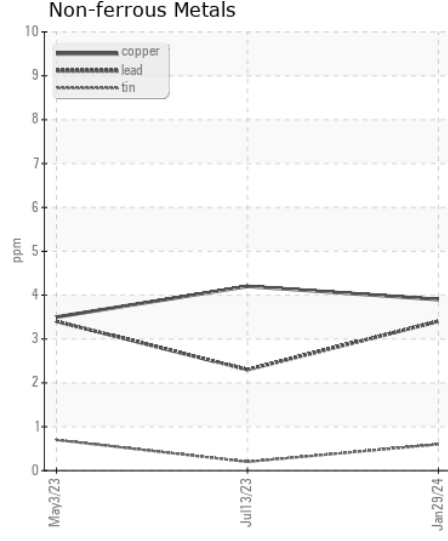
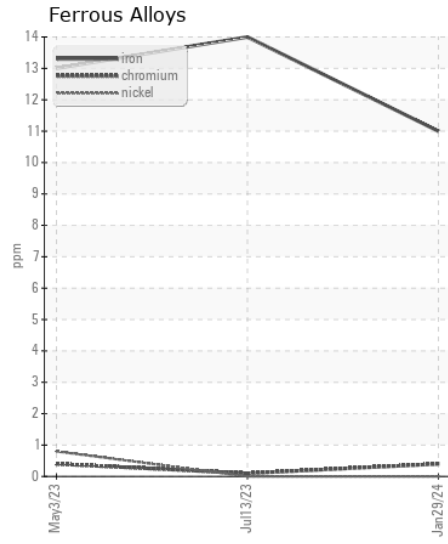
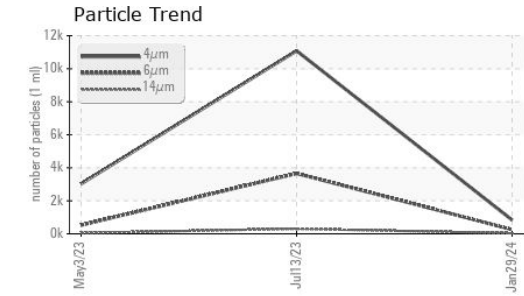
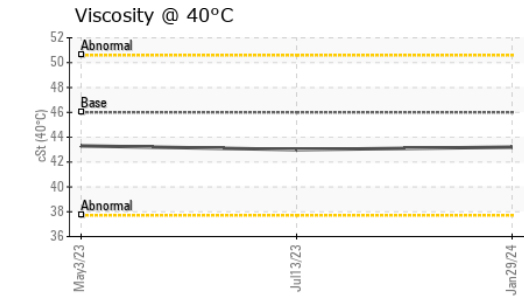
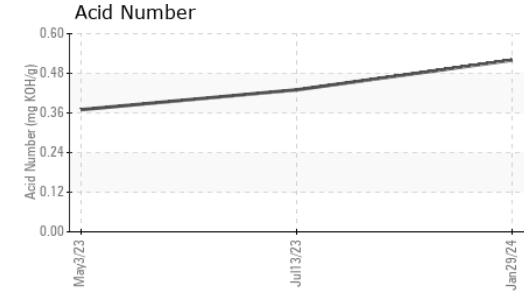
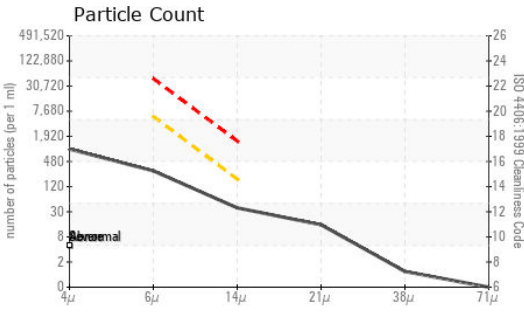
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	12	13	12
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		836	11087	3029
Particles >6µm		ASTM D7647	>5000	252	3659	527
Particles >14µm		ASTM D7647	>160	33	▲ 306	46
Particles >21µm		ASTM D7647	>40	13	▲ 86	16
Particles >38µm		ASTM D7647	>10	1	3	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/19/14	17/15/12	▲ 21/19/15	19/16/13
Silt	scalar	*Visual	NONE	NONE	LIGHT	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		3	2	6
Boron	ppm	ASTM D5185m	14	0	0	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	0	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	2.6	<1	1	4
Calcium	ppm	ASTM D5185m	49	31	78	71
Phosphorus	ppm	ASTM D5185m	354	345	359	358
Zinc	ppm	ASTM D5185m	419	435	451	457
Sulfur	ppm	ASTM D5185m	3719	2286	2840	2946
Acid Number (AN)	mg KOH/g	ASTM D8045		0.52	0.43	0.37
Visc @ 40°C	cSt	ASTM D445	46	43.2	43.0	43.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP413385 **Received** : 01 Feb 2024
Lab Number : 06076813 **Diagnosed** : 02 Feb 2024
Unique Number : 10858904 **Diagnostician** : Wes Davis
Test Package : MOB 2

ALTA EQUIPMENT COMPANY
 5210 REESE ROAD
 DAVIE, FL
 US 33314
 Contact: RAYMOND THOMPSON
 raymond.thompson@altg.com
 T: (954)581-4744
 F: (954)583-0318

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)