

OIL ANALYSIS REPORT









[W02008475] VOLVO A30G 752450

Component

Hydraulic System

Fluid

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: W02008475)

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

ALILIO OIL 46 /	CALV					
AULIC OIL 46 (· GAL)		Apr2024	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ML0002480	ML0001416	
Sample Date		Client Info		25 Jun 2024	10 Apr 2024	
Machine Age	hrs	Client Info		3884	3499	
Oil Age	hrs	Client Info		385	3499	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	8	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	<1	
Lead	ppm	ASTM D5185m	>20	<1	0	
Copper	ppm	ASTM D5185m	>150	2	3	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	14	2	<1	
Barium	ppm	ASTM D5185m	0.0	0	0	
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	
Manganese	ppm	ASTM D5185m	0.0	0	0	
Magnesium	ppm	ASTM D5185m	2.6	3	<1	
Calcium	ppm	ASTM D5185m	49	113	108	
Phosphorus	ppm	ASTM D5185m	354	344	304	
Zinc	ppm	ASTM D5185m	419	448	348	
Sulfur	ppm	ASTM D5185m	3719	2289	2260	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	
Sodium	ppm	ASTM D5185m		4	2	
Б		710 1111 20 100111		1	_	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	ppm		>20 limit/base			history2
	ppm	ASTM D5185m		0	0	history2
FLUID CLEANLIN	ppm	ASTM D5185m method		o current	0 history1	
FLUID CLEANLIN Particles >4μm	ppm	ASTM D5185m method ASTM D7647	limit/base	0 current 28151	0 history1 1684	
FLUID CLEANLIN Particles >4μm Particles >6μm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647	limit/base >5000	0 current 28151 ▲ 9795	0 history1 1684 45	
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base	0 current 28151 ▲ 9795 ▲ 330	0 history1 1684 45 5	
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm	ppm	MSTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >160 >40	0 current 28151 ▲ 9795 ▲ 330 33	0 history1 1684 45 5	
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >160 >40 >10	0 current 28151 △ 9795 △ 330 33 1	0 history1 1684 45 5 2	
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm Particles >71μm	ppm IESS	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >160 >40 >10 >3	0 current 28151 ▲ 9795 ▲ 330 33 1 0	0 history1 1684 45 5 2 0	

Acid Number (AN)

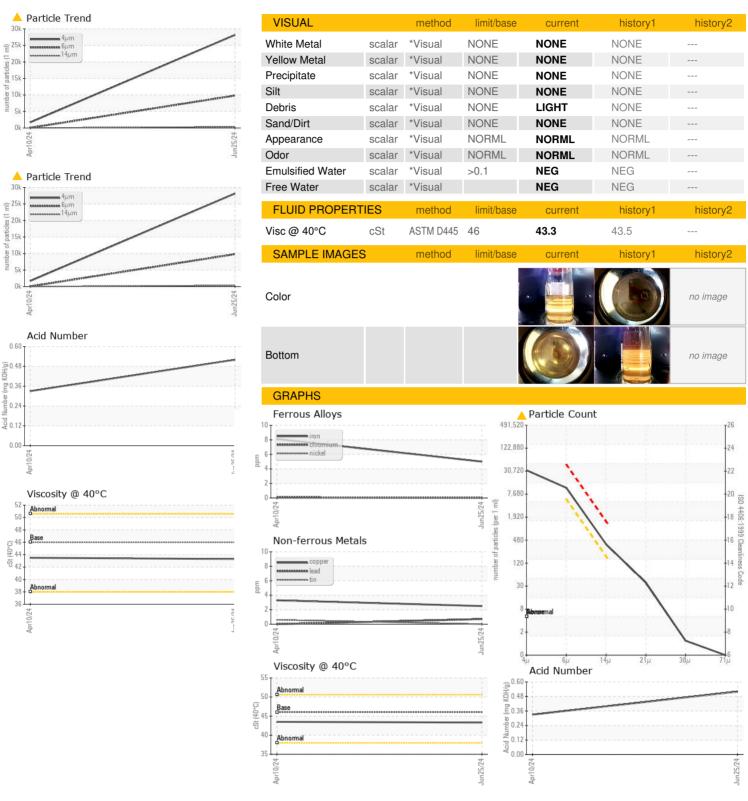
mg KOH/g ASTM D8045

0.52

0.33 --



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: ML0002480 Lab Number : 06221801 Unique Number : 11099998

Test Package : CONST To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024 **Tested** : 28 Jun 2024

Diagnosed

: 28 Jun 2024 - Don Baldridge

US 20153 Contact: SERVICE MANAGER jimmy_elswick@wahazel.com T: (703)378-8300

 st - 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)

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Submitted By: DARRELL ANDES

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