WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

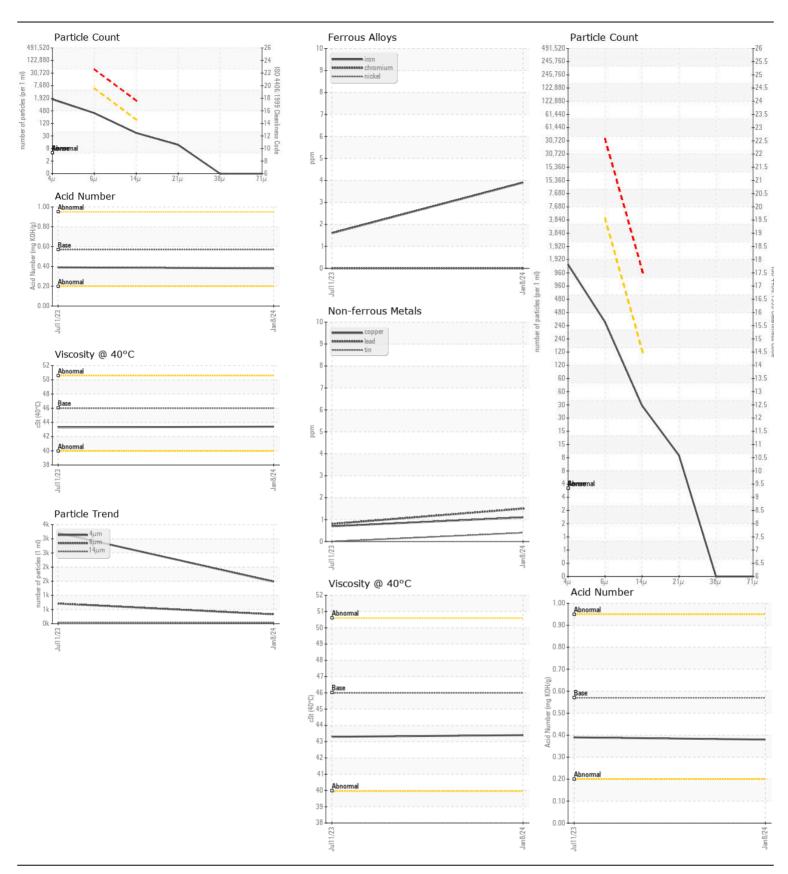


VOLVO A40G 353340

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
December at the ground complete internal to magnife an Discourage in the	Sample Number		Client Info		ASC0006222	VCP417763	
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		08 Jan 2024	11 Jul 2023	
	Machine Age	hrs	Client Info		943	437	
	Oil Age	hrs	Client Info		943	0	
	Filter Age	hrs	Client Info		943	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Not Changd	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m		4	2	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		2	<1	
	Lead	ppm	ASTM D5185m		2	<1	
	Copper	ppm	ASTM D5185m		1	<1	
	Tin	ppm	ASTM D5185m	>20	<1	0	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Ciliaan		ASTM D5185m	. 00	c	E	
CONTAMINATION	Silicon	ppm			6	5 3	
The system cleanliness is acceptable for your target ISO 4406	Potassium	ppm	ASTM D5185m		1 NEC	NEG	
cleanliness code. The system and fluid cleanliness is acceptable.	Water			>0.1	NEG		
	Particles >4µm		ASTM D7647	F000	1483	3209	
	Particles >6µm		ASTM D7647		329	712	
	Particles >14µm		ASTM D7647		37	50	
	Particles >21µm		ASTM D7647		10	8	
	Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		-		
	Silt	cooler	*Visual	>/19/14 NONE	18/16/12 NONE	19/17/13 NONE	
	Debris	scalar	*Visual	NONE	NONE	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
		scalar	*Visual	NORML	NORML	NORML	
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.1	NEG	NEG	
<u> </u>		Scalai	visuai		NEG	INLG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	1	
	Boron		ASTM D5185m	5	0	0	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		0	0	
	Magnesium	ppm	ASTM D5185m	25	<1	2	
	Calcium	ppm	ASTM D5185m		59	56	
	Phosphorus	ppm	ASTM D5185m		346	335	
	Zinc	ppm	ASTM D5185m	370	418	433	
	Sulfur	ppm	ASTM D5185m		1357	1514	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.38	0.39	
	Visc @ 40°C	cSt	ASTM D445		43.4	43.3	
	1.00 @ 10 0	001	. 10			.0.0	





Certificate L2367

Report Id: GANBURNC [WUSCAR] 06058002 (Generated: 01/12/2024 16:48:32) Rev: 1

Laboratory Sample No. Lab Number **Unique Number**

: ASC0006222 : 06058002 : 10829384 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 11 Jan 2024 Diagnosed : 12 Jan 2024 : Wes Davis Diagnostician

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) **G S MATERIALS INC**

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