WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Area

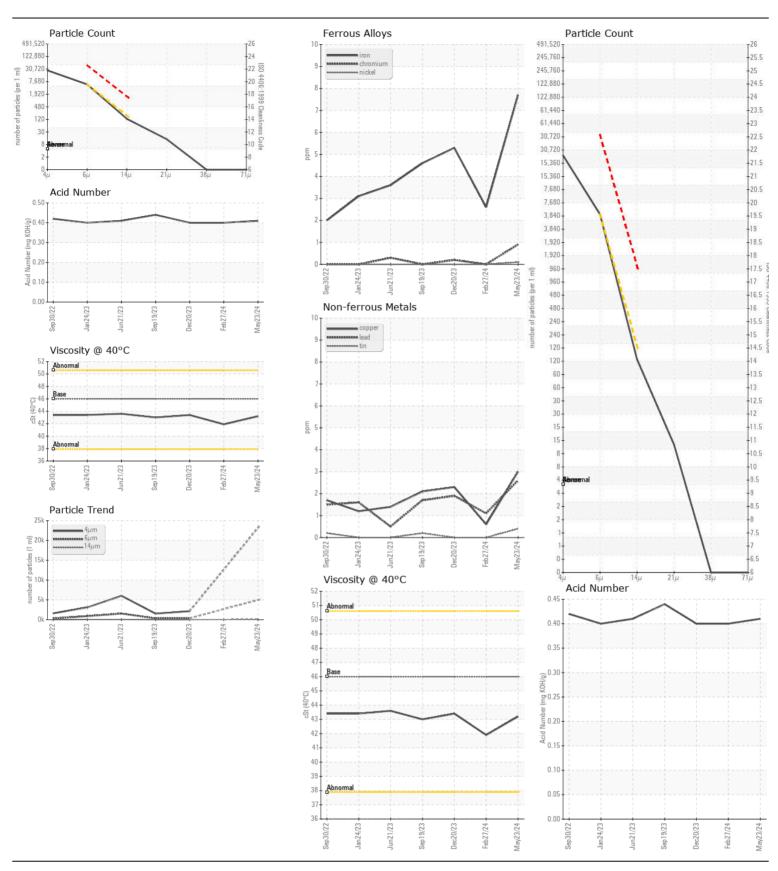
[SWO-071952]

VOLVO A45G 352969



VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

VOLVO SUPER HYDRAULIC OIL 46 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOCHMEND/(TON	Sample Number		Client Info		VCP452459	,	VCP414707
Resample at the next service interval to monitor.	Sample Date		Client Info		23 May 2024	27 Feb 2024	20 Dec 2023
	Machine Age	hrs	Client Info		3944	3453	2980
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Not Changd
	Filter Changed		Client Info		Changed	Not Changd	Not Changd
	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAD	Iron	nnm	ASTM D5185m	· 50	8	3	5
WEAR All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m	>10	0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	<1	<1	0
	Lead	ppm	ASTM D5185m		3	1	2
	Copper	ppm	ASTM D5185m		3	<1	2
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABINATION	0.1.		AOTA DE LOS			4	
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	4	5
There is no indication of any contamination in the component. The	Potassium	ppm	ASTM D5185m		<1 NEO	0	0
amount and size of particulates present in the system is acceptable.	Water		WC Method ASTM D7647	>0.1	NEG	NEG 	NEG
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647	- F000	23155 4957		2152 387
	Particles >0μm		ASTM D7647		112		19
	Particles >21μm		ASTM D7647		12		6
	Particles >38µm		ASTM D7647		0		1
	Particles >71µm		ASTM D7647		0		0
	Oil Cleanliness		ISO 4406 (c)		22/19/14		18/16/11
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
	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	Cdi		ACTM DE10E		•	0	4
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	1./	0	0	<1
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0	1	0
suitable for further service.	Molybdenum	ppm	ASTM D5185m		<1	0	0
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		66	20	17
	Calcium	ppm		49	97	118	83
	Phosphorus	ppm	ASTM D5185m		385	358	369
	Zinc	ppm	ASTM D5185m		517	467	471
	Sulfur	ppm	ASTM D5185m		1558	1201	1375
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.40	0.40
	Visc @ 40°C	cSt	ASTM D445	46	43.2	41.9	43.4





Certificate L2367

Laboratory Sample No. Lab Number

: VCP452459 : 06195347 Unique Number : 11057470 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 30 May 2024 **Tested** Diagnosed

: 31 May 2024 : 01 Jun 2024 - Don Baldridge SAIIA CONSTRUCTION LLC 4400 LEWISBURG RD

BIRMINGHAM, AL US 35207

Contact: STEPHANI BRITTON

sbritton@saiia.com;doug.bogart@wearcheck.com T: (205)943-2268

* - 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)

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

F: (205)943-2269