

WEAR NORMAL CONTAMINATION ATTENTION FLUID CONDITION NORMAL



[SWO-071204] VOLVO A40G 340716

Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

	\mathbf{N}		
NEUL	OMMEI	NDATI	

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.



All component wear rates are normal.

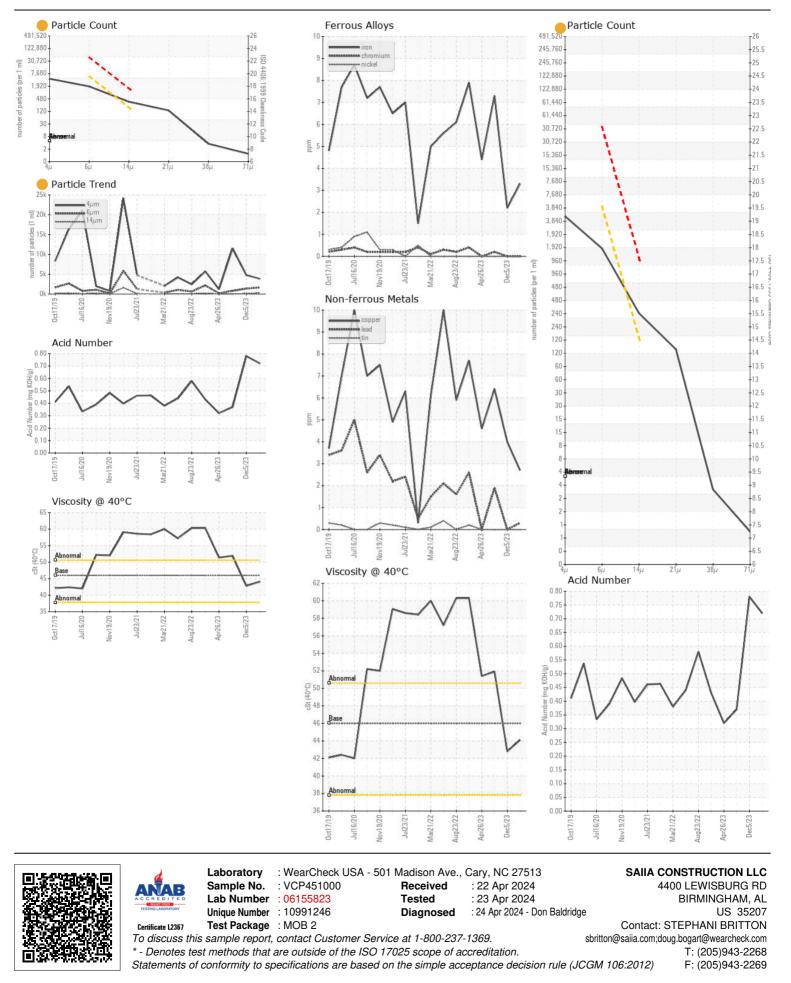
CONTAMINATION

There is a moderate amount of particulates present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP451000	VCP431058	VCP419107
Sample Date		Client Info		18 Apr 2024	05 Dec 2023	30 Aug 2023
Machine Age	hrs	Client Info		9946	9440	8929
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				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	3	2	7
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	210	<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	۰ <1	0	2
Copper	ppm	ASTM D5185m	>150	3	4	6
Tin	ppm	ASTM D5185m	>20	0	4	0
Vanadium	ppm	ASTM D5185m	220	0 <1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Sudidi	VISUAI	NONE		NONE	NONE
Silicon	ppm	ASTM D5185m	>20	1	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		3825	4778	11530
Particles >6µm		ASTM D7647	>5000	1644	1372	794
Particles >14µm		ASTM D7647	>160	— 302	94	15
Particles >21µm		ASTM D7647	>40	117	25	5
Particles >38µm		ASTM D7647	>10	3	1	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/19/14	<u> </u>	19/18/14	21/17/11
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
Sodium	ppm	ASTM D5185m		<1	<1	3
Boron	ppm	ASTM D5185m	14	0	0	0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	2	0	1
Manganese	ppm	ASTM D5185m	0.0	0	0	0
Magnesium	ppm	ASTM D5185m	2.6	155	219	5
Calcium	ppm	ASTM D5185m	49	78	56	82
Phosphorus	ppm	ASTM D5185m	354	492	612	358
Zinc	ppm	ASTM D5185m	419	613	701	492
Sulfur	ppm	ASTM D5185m	3719	2996	2788	1883
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.78	0.37
Visc @ 40°C	cSt	ASTM D445	46	44.1	42.8	51.9
		• •				



Contact/Location: STEPHANI BRITTON - SAIBIR