

CONSTRUCTION EQUIPMENT 567604 VOLVO A40G 342177 - HYDRAULIC SYSTEM



Sample No: VCP424436

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: 567604

Boron

ppm

Report Id: RIPTAM [WUSCAR] 05907581 (Generated: 07/28/2023 11:03:04) Rev: 1

VOLVO					
SAMPL	E INFORMATION				
Sample Number		VCP424436	VCP358183	VCP336743	VCP316776
Sample Date		29 Jun 2023	12 Sep 2022	02 Mar 2022	31 Aug 2021
Machine Hours		10619	9334	8227	7246
Oil Hours		2000	500	1500	3000
Oil Changed		Not Changd	Not Changd	Changed	Not Changd
Sample Status		ABNORMAL	ATTENTION	ABNORMAL	NORMAL
VOLVO NII TON	IDITION				
Visc @ 40°C	cSt	- 42.6	— 44.1	E 41.2	T 40.0
		43.6	44.1	41.3	40.8
Acid Number (Al	N) mg KOH/g	■ 0.36	■0.78	■ 0.38	□ 0.408
VOLVO					
CONTAI	MINATION				
Particles >4µm			24150	140278	2943
Particles >6µm			■329	▲ 78589	415
Particles > 14µm			■8	▲ 19608	5 2
ISO 4406:1999 (d	E)		22/16/10	24/23/21	19/16/13
Silicon	ppm	5	1 5	5	5
Sodium	ppm	■0	2	■3	3
Potassium	ppm	■<1	0	0	< 1
WEAR	METALS				
Iron		=10	□ 10	□ 22	= 10
Copper	ppm	■ 18	□ 18 □ 62	■ 22 ■ 9	□ 19 □ 9
Lead	ppm	3	□ 62 □ <1	4	4
Tin	ppm	■ < 1	<1	0	1 4
Aluminum	ppm	2	1 2	2	1 2
Chromium	ppm	■ <1	1 <1	= <1	1 <1
Molybdenum	ppm	■<1	1 <1	= <1	
Nickel	ppm	0	1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	■ <1	1 <1
Vanadium	ppm	0	0	0	0
ADDITI	VES				
ADDITI					
Calcium	ppm	93	<u>A</u> 3951	9 3	113
Magnesium	ppm	□7	11	6	6
Zinc	ppm	461	<u> 1470</u>	427	449
Phosphorus	ppm	■346	1225	□ 373	□ 325
Barium -	ppm	1	0	0	0



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: ROBERT TURNER rturner@ripatampa.com T: F:

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:RIPTAMUnique No:10574233Signed:Don BaldridgeReport Date:28 Jul 2023



CONSTRUCTION EQUIPMENT





GRAPHS







