

CONSTRUCTION EQUIPMENT VOLVO A45G 352808 - HYDRAULIC SYSTEM



Sample No: VCP438454

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
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Job No:

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

	E INFORMATION	-	 -	
Sample Number		VCP438454	 	
Sample Date		17 Feb 2024	 	
Machine Hours		4096	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
VOLVO				
VILCON	IDITION			
Visc @ 40°C	cSt	45.5	 	
Acid Number (Al	N) mg KOH/g	0.46	 	
TONTA	MINATION			
	-	<u>.</u>	 _	<u>.</u> .
Water	%	NEG	 	
Particles >4µm		25822	 	
Particles >6µm		6720	 	
Particles >14µm		<u> </u>	 	
ISO 4406:1999 (c	:)	22/20/16	 	
Silicon	ppm	10	 	
Sodium	ppm	0	 	
Potassium	ppm	1	 	
VOLVO				
🤍 WEAR I	METALS			
Iron	ppm	5	 	
Copper	ppm	2	 	
Lead	ppm	2	 	
Tin	ppm		 	
Aluminum	ppm	3	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	■<1	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
N/ 12	ppm	0	 	
Vanadium				



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

 Depot:
 VOLVO0090

 Unique No:
 10887764

 Signed:
 Wes Davis

 Report Date:
 21 Feb 2024

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379

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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 491.520-10 T -26 iron 9 •• chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß ppm E, 30,720 -22 15,360 -21 3 7.680 20 3,840 -19 0 1,920 -18 🛛 Feb17/24 Feb17/24 particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 nber of p 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 12 30 mdo Ę 15 11 10 8 ema 2 8 0 Feb17/24 Feb17/24 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 (J°0f) tS cSt (40°C) 0.25 Numper 0.20 42 U PCIQ 0.15 40. 0.10 Abnormal 38 0.05 0.00 36 Feb17/24 -Feb17/24 Feb17/24 Feb17/24

Report Id: VOLVO0090 [WUSCAR] 06094911 (Generated: 02/21/2024 17:30:13) Rev: 1

Contact/Location: TODD LARK - VOLVO0090