

CONSTRUCTION EQUIPMENT VOLVO A45G 752036 - HYDRAULIC SYSTEM



Sample No: VCP436854

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
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Job No:

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Silver

ppm

ADDITIVES

VOLVO				
	NFORMATION			
Sample Number	-	VCP436854		
Sample Date		11 Apr 2024		
Machine Hours		877		
Oil Hours		0		
Oil Changed		Not Changd		
Sample Status		ABNORMAL		
OIL CONDI	TION			
Visc @ 40°C	cSt	44.6		
Acid Number (AN)	mg KOH/g	0.45		
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CONTAMI				
		<u>.</u>	<u>.</u>	
Water	%	NEG		
Particles >4µm		23182		
Particles >6µm		e 8043		
Particles >14µm		A 530		
ISO 4406:1999 (c)		22/20/16		
Silicon	ppm	3		
Sodium	ppm	0		
Potassium	ppm	0		
VOLVO				
WEAR ME	TALS			
Iron	ppm	0		
Copper	ppm	0		
Lead	ppm	 <1		
Tin	ppm	0		
Aluminum	ppm	0		
Chromium	ppm	0		
Molybdenum	ppm	0		
Nickel	ppm	0		
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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

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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:	10978674
Signed:	Wes Davis
Report Date:	16 Apr 2024

Contact/Location: TODD LARK - VOLVO0090

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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys A Particle Count 10 - 491.520--26 iron 9 n chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß mdo E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 Ω 1,920 18 🛛 Apr11/24 nber of particles (per 1 ml) 1/24 4406:1999 Cleanlines: Apr11 960 17 Non-ferrous Metals 480 16 10 15 copper 240 q m lead 14 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 ema 2 8 Ω /24 Apr11/24 Apr1 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 cSt (40°C) 44 0.25 Numper 0.20 42 U PCIQ 0.15 40 0.10 Abnormal 38. 0.05 0.00 36 Apr11/24. Apr11/24 Apr11/24 1/24 Apr1

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Contact/Location: TODD LARK - VOLVO0090