CONSTRUCTION EQUIPMENT D12549 WE ENERGIES VOLVO L220H 3482 - HYDRAULIC SYSTEM

Sample No: VCP418972

ZOLV

Oil Type: VOLVO SUPER HYDRAULIC OIL 46 D12549 WE ENERGIES

Job No:

VOLVO				
	NFORMATION			
Sample Number		VCP418972	 	
Sample Date		28 Jul 2023	 	
Machine Hours		582	 	
Oil Hours		582	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	43.0	 	
Acid Number (AN)		0.41	 	
	, j			
	VALION			

Particles >4µm		32588	 	
Particles >6µm		12720	 	
Particles >14µm		<u> </u>	 	
ISO 4406:1999 (c)		22/21/18	 	
Silicon	ppm	□<1	 	
Sodium	ppm	0	 	
Potassium	ppm	0	 	

WEAR METALS					
Iron	ppm	□ <1			
Copper	ppm				
Lead	ppm	0			
Tin	ppm	0			
Aluminum	ppm	0			
Chromium	ppm	0			
Molybdenum	ppm	 <1			
Nickel	ppm	0			
Titanium	ppm	0			
Silver	ppm	0			
Manganese	ppm	0			
Vanadium	ppm	0			

Calcium	ppm	55			
Magnesium	ppm	3			
Zinc	ppm	436			
Phosphorus	ppm	326			
Barium	ppm	0			
Boron	ppm	0			



ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE) 13001 W SILVERE SPRING DR BUTLER, WI US 53007 Contact: GLENN OTTENBACHER gottenbacher@aring.com T: (262)282-0715 F: (262)781-5053

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: VOLVO0069 Unique No: 10586394 Signed: Wes Davis Report Date: 04 Aug 2023

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 mda 5 30,720 -22 15,360 -21 2 7,680 20 3,840 -19 Ω 1,920 -18 🛛 Jul28/23 nber of particles (per 1 ml) Jul28/23 4406:1999 Cleanlines: 960 17 Non-ferrous Metals -16 480 10 15 copper 240 q m lead -14 6 tin 120 8 -13 60 ß 30 12 mdo 5 15 11 2 10 8 emal 2 8 Ω Jul28/23 Jul28/ 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.45 Abnormal 50 0.40 48 0.35 (B/H0.30 Base 46 (J°0f) tSo tf Ê 0.25 Number Number 42 - Pg 0.15 40 0.10 38 - Abnormal 0.05 36 0.00-Jul28/23 Jul28/23 Jul28/23 Jul28/23

Report Id: VOLVO0069 [WUSCAR] 05914480 (Generated: 08/04/2023 13:55:49) Rev: 1

Contact/Location: GLENN OTTENBACHER - VOLVO0069