CONSTRUCTION EQUIPMENT G08814 VOLVO EC300 316568 - HYDRAULIC SYSTEM



Sample No:VCP453657Oil Type:AW HYDRAULIC OIL ISO 46Job No:G08814

SAMPLE INFORMATION			
Sample Number	VCP453657	 	
Sample Date	22 May 2024	 	
Machine Hours	296	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	NORMAL	 	
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OIL CONDITION			
Visc @ 40°C cSt	43.7	 	
Acid Number (AN) mg KOH/g	0.48	 	

CONTAMI	NATION			
Water	%	NEG	 	
Particles >4µm		5474	 	
Particles >6µm		1565	 	
Particles >14µm		151	 	
ISO 4406:1999 (c)		20/18/14	 	
Silicon	ppm	4	 	
Sodium	ppm	 <1	 	
Potassium	ppm	2	 	

🌽 WEAR METALS

Iron	ppm	1	 	
Copper	ppm	1 6	 	
Lead	ppm	1	 	
Tin	ppm	□ <1	 	
Aluminum	ppm	□<1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

VOLVO

Calcium	ppm	92				
Magnesium	ppm					
Zinc	ppm	545				
Phosphorus	ppm	422				
Barium	ppm	0				
Boron	ppm	0				

WHIBCO INC

377 PORT CUMBERLAND ROAD DRAWER E PORT ELIZABETH, NJ US 08348 Contact: JOHN HUGHES jhughes@whibco.com T: (856)305-6602 F: (856)825-4743

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:WHIBRIUnique No:11056042Signed:Wes DavisReport Date:30 May 2024Contact/Location: JOHN HUGHES - WHIBRI

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 10 - 491.520 --26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß hnorm mdo E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 0 1,920 18 🛛 umber of particles (per 1 ml) May22/24 Mav22/ 4406:1999 Cleanlines 960 17 Non-ferrous Metals 16 480 16 15 copper 240 м lead 14 14 120 12 -13 60 10 30 12 mdo 8 15 -11 6 8 10 4 2 8 Ω Mav22/24 Mav22 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 1.00-Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO) BW 0.60 48 47 (0-01) 45 l) agung Nump 0.40 44 U 90.30 43 42 Abnorma 0.20 41 Abnormal 0.10 40 0.00-39 May22/24 May22/24 May22/24 Mav22/24

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Contact/Location: JOHN HUGHES - WHIBRI