VOLVO

CONSTRUCTION EQUIPMENT SW1033237 IAA 7 VOLVO L90H 626385 - HYDRAULIC SYSTEM

 Sample No:
 VCP436322

 Oil Type:
 AW HYDRAULIC OIL ISO 46

 Job No:
 SW1033237 IAA 7

SAMPLE IN	FORMATION			
Sample Number	-	VCP436322	 	
Sample Date		24 Apr 2024	 	
Machine Hours		4093	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	43.4	 	
Acid Number (AN)	mg KOH/g	■0.41	 	

CONTAMINATION NEG % Water Particles >4µm 6039 Particles >6µm 1942 176 Particles >14µm ISO 4406:1999 (c) 20/18/15 Silicon ppm 3 Sodium ppm 1 0 Potassium ppm

🎾 WEAR METALS

Iron	ppm	3	 	
Copper	ppm	2	 	
Lead	ppm	□<1	 	
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	 	

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Calcium	ppm	77					
Magnesium	ppm	5					
Zinc	ppm	437					
Phosphorus	ppm	345					
Barium	ppm	0					
Boron	ppm	0					



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLVO6174

 Unique No:
 11006349

 Signed:
 Wes Davis

 Report Date:
 02 May 2024

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 mdo E, 30,720 22 15,360 -21 2 7.680 20 2 3,840 -19 0 1,920 18 🛛 Apr24/24 nber of particles (per 1 ml) Apr24/24 4406:1999 Cleanlines 960 17 Non-ferrous Metals 480 16 10 15 copper 240 9 m lead 14 tin 120 8 -13 60 ß 30 12 mdo Ę 15 11 2 10 8 4 2 8 Ω Apr24/24 Apr24/24 0, 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 cSt (40°C) 46 1) 10.50 Jungung 0.40 45 44 U 90.30 43 42 Abnorma 0.20 41 Abnormal 0.10 40 0.00-39 Apr24/24 Apr24/24 Anr24/24 Apr24/24

Report Id: VOLVO6174 [WUSCAR] 06165630 (Generated: 05/02/2024 13:24:51) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174