CONSTRUCTION EQUIPMENT

Sample No: VCP384955

VOLVO

Oil Type: VOLVO SUPER HYDRAULIC OIL 46 Job No: 12495 PRIORITY WASTE

SAMPLE INFORMATION VCP384955 Sample Number Sample Date 02 Sep 2023 Machine Hours 4047 Oil Hours 4047 Oil Changed Changed NORMAL Sample Status OIL CONDITION Visc @ 40°C cSt 39.1 Acid Number (AN) mg KOH/g 0.31 8

CONTAMINATION					
Particles >4µm		3601			
Particles >6µm		493			
Particles >14µm		40			
ISO 4406:1999 (c)		19/16/12			
Silicon	ppm	5			
Sodium	ppm	3			
Potassium	ppm	 <1			

WFAR METALS

	ייב ו אנס			
Iron	ppm	8	 	
Copper	ppm	4	 	
Lead	ppm	 <1	 	
Tin	ppm		 	
Aluminum	ppm	4	 	
Chromium	ppm	3	 	
Molybdenum	ppm	0	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

Calcium	ppm	70				
Magnesium	ppm	5				
Zinc	ppm	452				
Phosphorus	ppm	351				
Barium	ppm	0				
Boron	ppm	0				



536 - ASCENDUM MACHINERY INC - CHATTANOOGA 7829 LEE HWY CHATTANOOGA, TN US 37421 Contact: WILLIAM WALKER william.walker@ascendummachinery.com T: F: (423)308-7959

Diagnosis

Resample at the next service interval to monitor.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:
 VOLV00117

 Unique No:
 10646729

 Signed:
 Wes Davis

 Report Date:
 15 Sep 2023

CONSTRUCTION EQUIPMENT



-26

-25

-24

-23

-22

-21

20

-19

-18 🛛

17

16

15

14

-13

12

-11 -10 4406:1999 Cleanlines:

GF

VOLVO

GRAPHS Ferrous Alloys Particle Count 491,520 10 T iron 9 chromium 245,760 nickel 8 122,880 61,440 ß mdo E, 30,720 15,360 7.680 bnorma 3,840 Ω 1,920 Sep2/23 nber of particles (per 1 ml) Sep2/23 960 Non-ferrous Metals 480 10 copper 240 q lead tin 120 8 60 ß 30 mdo 5 15 8 4 2 Ω Sep2/23 Sep2/ 0, 21µ 14µ Viscosity @ 40°C Acid Number 52 0.40 Abnormal 50 48 0.30 0.30 Mumber (mg KOH/g) 0.20 Base 46 cSt (40°C) 41 42 Acid 40 0.10 38. Abnormal 36 0.00-Sep2/23. Sep2/23 Sep2/23

Report Id: VOLVO0117 [WUSCAR] 05950770 (Generated: 09/15/2023 23:29:46) Rev: 1

Contact/Location: WILLIAM WALKER - VOLVO0117

38µ

Sep2/23