CONSTRUCTION EQUIPMENT 47847 VOLVO EC350E 314512 - HYDRAULIC SYSTEM



Sample No: VCP417912

VOLVO

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
Job No:	47847

SAMPLE INFORMATION

Sample Number	VCP417912				
Sample Date	17 Apr 2024				
Machine Hours	2041				
Oil Hours	2000				
Oil Changed	N/A				
Sample Status	NORMAL				
OIL CONDITION					
Visc @ 40°C cSt	t 11.4				
Acid Number (AN) mg	g KOH/g 0.49				

UN I AMI	NATION			
Water	%	NEG	 	
Particles >4µm		1138	 	
Particles >6µm		67	 	
Particles >14µm		5	 	
ISO 4406:1999 (c)		17/13/10	 	
Silicon	ppm	3	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	0	 	

WEAR METAL

	יוב ו אנס			
Iron	ppm	□ <1	 	
Copper	ppm	34	 	
Lead	ppm	0	 	
Tin	ppm		 	
Aluminum	ppm	0	 	
Chromium	ppm	1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

VOLVO

ADDITI	VES			
Calcium	ppm	125	 	
Magnesium	ppm	0	 	
Zinc	ppm	524	 	
Phosphorus	ppm	383	 	
Barium	ppm	0	 	
Boron	ppm	0	 	



365 - ASCENDUM MACHINERY INC - SAVANNAH 54 MEDLINE DR RICHMOND HILL, GA US 31324 Contact: JESSE WILSON jesse.wilson@ascendummachinery.com T: F: (912)964-9515

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:
 VOLV08531

 Unique No:
 10996797

 Signed:
 Wes Davis

 Report Date:
 29 Apr 2024

Report Id: VOLVO8531 [WUSCAR] 06161374 (Generated: 04/29/2024 15:10:54) Rev: 1

Contact/Location: JESSE WILSON - VOLVO8531

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 bnorma mdo E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 Ω 1,920 18 🛛 Apr17/24 umber of particles (per 1 ml) Apr17/24 4406:1999 Cleanlines 960 17 Non-ferrous Metals 16 480 35 15 copper 240 lead 30 14 • tin 120 25 60. -13 20 30 12 ppm 15 15 -11 8 10 10 4 9 5 2 8 Ω Apr17/24 74 Apr17/ 21µ 14µ 38µ 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 Apr17/24 Apr17/24 Apr17/24 Apr17/24

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