CONSTRUCTION EQUIPMENT SPM674735-10 VOLVO EC950FL 410112 - HYDRAULIC SYSTEM

 Sample No:
 VCP438446

 Oil Type:
 AW HYDRAULIC OIL ISO 46

 Job No:
 SPM674735-10

VOLVO

SAMPLE IN	FORMATION	_	_	
Sample Number		VCP438446		 
Sample Date		17 Feb 2024		 
Machine Hours		1239		 
Oil Hours		0		 
Oil Changed		N/A		 
Sample Status		ABNORMAL		 
OIL CONDI	TION			
Visc @ 40°C	cSt	<b>40.6</b>		 
Acid Number (AN)	mg KOH/g	0.60		 
	IATION			

Water	%	NEG	 	
Particles >4µm		<b>A</b> 30501	 	
Particles >6µm		<b>4970</b>	 	
Particles >14µm	ı	<u> </u>	 	
ISO 4406:1999 (	(c)	22/19/16	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	0	 	
Potassium	ppm	2	 	

WEAR METAL

ppm	3			
ppm	<b>1</b> 3			
ppm	■ <1			
ppm	0			
ppm	<b>1</b>			
ppm	<b>□</b> <1			
ppm	0			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm     3       ppm     13       ppm     <1	ppm       3          ppm       13          ppm       <1	ppm       3           ppm       13           ppm       <1

VOLVO

Calcium	ppm	92				
Magnesium	ppm					
Zinc	ppm	523				
Phosphorus	ppm	389				
Barium	ppm	3				
Boron	ppm	0				

## ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

## 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. 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. 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:
 VOLVO0090

 Unique No:
 10887765

 Signed:
 Wes Davis

 Report Date:
 21 Feb 2024

## **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 mdo E, 30,720 22 15,360 -21 2 7,680 20 Abnorma 3,840 -19 0. 1,920 18 🛛 Feb17/24 Feb17/24 mber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 13 15 12 copper 240 м lead 11 14 tin 120 10 9 -13 60 8 12 30 bpm ß 15 -11 10 8 4 9 2 .......... ...... 2 .8 ſ Feb17/24 Feb17/24 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52-1.00 T Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO3 0.60 0.50 kOH/d) 0.50 0.40 48 47 cSt (40°C) 46 45 44 Acid 0.30 43 42 Abnorma 0.20 41 Abnorma 0.10 40 0.00-39 Feb17/24 -Feb17/24 Feb17/24 Feb17/24

Report Id: VOLVO0090 [WUSCAR] 06094912 (Generated: 02/21/2024 17:30:22) Rev: 1

Contact/Location: TODD LARK - VOLVO0090