CONSTRUCTION EQUIPMENT X11168 OLD CASTLE VOLVO L90H 626890 - HYDRAULIC SYSTEM

Sample No: VCP440403 Oil Type: VOLVO SUPE

VOLVO

VOLVO SUPER HYDRAULIC OIL 46

X11168 OLD CASTLE

Job No:

#### SAMPLE INFORMATION VCP440403 Sample Number Sample Date 09 Feb 2024 Machine Hours 1013 Oil Hours 0 Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 41.3 Acid Number (AN) mg KOH/g 0.42 CONTAMINATION

Water	%	NEG	 	
Particles >4µm		23894	 	
Particles >6µm		<b>A</b> 7176	 	
Particles >14µm		<b>A</b> 1037	 	
ISO 4406:1999 (c)		22/20/17	 	
Silicon	ppm	3	 	
Sodium	ppm	□<1	 	
Potassium	ppm	0	 	

## 🎾 WEAR METALS

ppm	<b>4</b>			
ppm	2			
ppm	0			
ppm	<b>■</b> <1			
ppm	0			
ppm	<b>□</b> <1			
ppm	■<1			
ppm	0			
ppm	0			
ppm	0			
ppm	<b> </b> <1			
ppm	0			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm     2       ppm     0       ppm     <1	ppm     2        ppm     0        ppm     <1	ppm       2           ppm       0           ppm       <1

VOLVO

Calcium	ppm	66						
Magnesium	ppm	2						
Zinc	ppm	<b>404</b>						
Phosphorus	ppm	313						
Barium	ppm	0						
Boron	ppm	0						



## SCOTT EQUIPMENT COMPANY LLC - Texarkana

5401 SANDERSON LANE TEXARKANA, AR US 71854 Contact: JAMES DOSS jdoss@scottcompanies.com T: E:

#### Diagnosis

No corrective action is recommended at this time. 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 high amount of particulates present in the oil. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO1034

 Unique No:
 10882945

 Signed:
 Don Baldridge

 Report Date:
 16 Feb 2024

Report Id: VOLVO1034 [WUSCAR] 06090092 (Generated: 02/16/2024 15:41:14) Rev: 1

Contact/Location: JAMES DOSS - VOLVO1034

# **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 3 7,680 20 3,840 -19 ſ 1,920 -18 🛛 Feb 9/24 nber of particles (per 1 ml) Feb 9/24 960 17 Non-ferrous Metals -16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 12 30 mdo 5 15 -11 2 10 8 emal 2 Ω Feb 9/24 Feb 9/24 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52 0.45 Abnormal 50 0.40 48 0.35 (B/H0.30 Base 46 cSt (40°C) 41 Ê 0.25 Number Number 42 - Pg 0.15 40 0.10 Abnormal 38 0.05 36 0.00-Feb 9/24 -Feb 9/24 Feb 9/24 Feb 9/24

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4406:1999 Cleanlines: