CONSTRUCTION EQUIPMENT

SPM672835 AMG RES LIEBHERR LH40 121384-1215 - HYDRAULIC

Sample No:VCP406681Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:SPM672835 AMG RES

VOLVO

CONTAMINATION

%

ppm

ppm

ppm

SAMPLE INFORM	MATION		
Sample Number	VCP406681	 	
Sample Date	03 Feb 2024	 	
Machine Hours	11143	 	
Oil Hours	0	 	
Oil Changed	Not Changd	 	
Sample Status	ABNORMAL	 	
OIL CONDITION			
Visc @ 40°C cSt	<b>41.8</b>	 	
Acid Number (AN) mg	KOH/g <b>0.64</b>	 	

NEG

5290

1178

20/17/13

42

■ <1

2

0

ALTA EQUIPMENT CO - ORLAND PARK

5000 INDUSTRIAL HWY GARY, IN US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560 F:

## Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## VOLVO W

Water

Silicon

Sodium

Potassium

Particles >4µm

Particles >6µm

Particles >14µm

ISO 4406:1999 (c)

TALS				
ppm	<b>4</b> 58			
ppm	<b>4</b>			
ppm	<b> </b> <1			
ppm	<b>■</b> <1			
ppm	0			
ppm	<b>1</b>			
ppm	0			
ppm	<b> </b> <1			
ppm	0			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm       58         ppm       4         ppm       <1	ppm     58        ppm     4        ppm     <1        ppm     <1        ppm     0        ppm     0	ppm       58           ppm       4           ppm       <1

VOLVO

Calcium	ppm	605						
Magnesium	ppm	<b>4</b>						
Zinc	ppm	512						
Phosphorus	ppm	<b>433</b>						
Barium	ppm	0						
Boron	ppm	0						

 Depot:
 VOLVO8885

 Unique No:
 10882922

 Signed:
 Doug Bogart

 Report Date:
 19 Feb 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

## Particle Count Ferrous Alloys 60-491.520 -26 iron 55 chromium 245,760 -25 50 nickel 45 122,880 -24 40 61,440 -23 35 ۲<u>ط</u> 30 -22 30,720 25 15,360 -21 20 15 7,680 20 10 3,840 -19 5 ..... 0 1,920 18 🛛 (per 1 ml) Feb3/24 Feb3/24 960 17 nber of particles Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 ß 30 12 mdo 5 15 11 2 8 10 4 2 8 01 Feb3/24 Feb3/24 0, 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.65 Abnormal 0.60 50 0.55 48 0.50 (망0.45 위이 0.40 Base 46 cSt (40°C) 44 Ē 0.35 unper UNP 0.25 42 P 0.20 40 0.15 0.10 Abnormal 38 0.05 0.00 36 Feb3/24. Feb3/24 Feb3/24

Contact/Location: DAVE ENG - VOLVO8885

Feb3/24

4406:1999 Cleanlines: