## CONSTRUCTION EQUIPMENT 702733 RITCHIES BROS VOLVO L90H 627965 - HYDRAULIC SYSTE

Sample No:VCP449788Oil Type:AW HYDRAULIC OIL ISO 46Job No:702733 RITCHIES BROS

ZOTAZ

SAMPLE IN	FORMATION			
Sample Number	-	VCP449788	 	
Sample Date		23 Apr 2024	 	
Machine Hours		697	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 40°C	cSt	<b>44.9</b>	 	
Acid Number (AN)	mg KOH/g	0.46	 	

CONTAI	MINATION			
Water	%	NEG	 	
Particles >4µm		23374	 	
Particles >6µm		<b>A</b> 7111	 	
Particles >14µm		<b>A</b> 366	 	
ISO 4406:1999 (c	:)	22/20/16	 	
Silicon	ppm	<b>1</b>	 	
Sodium	ppm	■<1	 	
Potassium	ppm	0	 	

**WEAR METALS** 

WOILT

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

OLVO

ADDITIN	VES			
Calcium	ppm	52	 	
Magnesium	ppm	0	 	
Zinc	ppm	431	 	
Phosphorus	ppm	305	 	
Barium	ppm	0	 	
Boron	ppm	0	 	



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC

9601 BOGGY CREEK RD ORLANDO, FL US 32824 Contact: Robert LaPlante robert.laplante@altg.com T: (407)508-9736 F: (407)659-8720

## 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.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:
 VOLV00096

 Unique No:
 10996805

 Signed:
 Wes Davis

 Report Date:
 29 Apr 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

## Ferrous Alloys A Particle Count 10 <del>-</del> 491.520--26 iron 9 n 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 3,840 -19 Ω 1,920 18 🛛 Apr23/24 Apr23/24 nber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 480 16 10 15 copper 240 q m lead 14 120 8 -13 60 ß 30 12 mdo Ę 15 -11 2 10 8 ema 2 Ω Apr23/24 Apr23/24 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52-1.00-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 U 90.30 43 42 Abnorma 0.20 41 Abnormal 0.10 40 0.00-39 Apr23/24. Apr23/24 Apr23/24 Apr23/24

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