CONSTRUCTION EQUIPMENT RSO-038391 HITACHI 060320 - HYDRAULIC SYSTEM



Sample No:	VCP443983 {unknown}			
Oil Type:				
Job No:	RSO-038391			

VOLVO

## SAMPLE INFORMATION

<b>ZAWLIC II</b>	AL OKWA LION			
Sample Number	-	VCP443983	VCP447618	 
Sample Date		20 Jun 2024	10 May 2024	 
Machine Hours		530	270	 
Oil Hours		0	0	 
Oil Changed		Not Changd	Not Changd	 
Sample Status		ATTENTION	NORMAL	 
OIL CONDI	TION			
Visc @ 40°C	cSt	44.3	44.6	 
Acid Number (AN)	mg KOH/g	0.09	0.132	 
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VOLVO				

Contam	INATION			
Water	%	NEG	NEG	 
Particles >4µm		<b>1987</b>	1647	 
Particles >6µm		1123	605	 
Particles >14µm		🛑 186	74	 
ISO 4406:1999 (c)		18/17/15	18/16/13	 
Silicon	ppm	<b>1</b>	<1	 
Sodium	ppm	<b>1</b>	< 1	 
Potassium	ppm	<b></b> <1	0	 

# WEAR METALS

Iron	ppm	0	< 1	 
Copper	ppm	<b>4</b>	3	 
Lead	ppm	0	<1	 
Tin	ppm	0	0	 
Aluminum	ppm	0	0	 
Chromium	ppm	0	0	 
Molybdenum	ppm	0	0	 
Nickel	ppm	0	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<1	0	 
Vanadium	ppm	0	0	 

VOLVO

Calcium	ppm	<1	3		
Magnesium	ppm	16	27		
Zinc	ppm	29	28		
Phosphorus	ppm	385	380		
Barium	ppm	0	0		
Boron	ppm	0	0		



#### SAIIA CONSTRUCTION LLC

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### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 SAIBIR

 Unique No:
 11099331

 Signed:
 Don Baldridge

 Report Date:
 27 Jun 2024

# **CONSTRUCTION EQUIPMENT**



🥜 GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491,520--26 iron 9 n chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 6 mdo 5 30,720 -22 15,360 -21 2 7.680 20 bnorma 3,840 -19 Ω 1,920 18 🛛 nber of particles (per 1 ml) Jun20/24 4406:1999 Cleanlines: 960 17 Mav1 Non-ferrous Metals 480 16 10 15 copper 240 q lead 14 120 8 -13 60 ß 30 -12 mdo 5 15 -11 8 10 4 9 2 8 Ω May10/24 Jun20/24 21µ 14µ 38µ Viscosity @ 40°C Acid Number 52 0.15 Abnormal 50 48 d Number (mg KOH/g) (10°C) (10°C) tso (10°C) Pg 0.05 42 40. Abnormal 38 0.00-Jun20/24 May10/24 lun20/24 May10/24

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Contact/Location: STEPHANI BRITTON - SAIBIR