

CONSTRUCTION EQUIPMENT KILAVEA CRUSHERS - HYDRAULIC SYSTEM



Sample No: VCP436324

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: KILAVEA CRUSHERS

VOLVO SAMPLE	INFORMATION			
_	INI UNINATION		146000000	_
Sample Number		VCP436324	VCP306824	
Sample Date		17 Apr 2024	28 Jul 2021	
Machine Hours		0	5257	
Oil Hours		0	0	
Oil Changed		N/A	Not Changd	
Sample Status		ATTENTION	ABNORMAL	
OIL COND	DITION			
Visc @ 40°C	cSt	□ 52.4	40.1	
Acid Number (AN		■ 0.53	0.399	
Acid Number (AIN) Thig KOH/g	0.55	0.399	
VOLVO				
CONTAM	INATION			
Water	%	NEG	NEG	
Particles >4µm		20422		
Particles >6µm		2713		
Particles > 14µm		■35		
ISO 4406:1999 (c)		22/19/12		
Silicon	ppm	■ 5	6	
Sodium	ppm	■3	<u>5</u>	
Potassium	ppm	4	1 5	
	le le			
VOLVO	FTALC			
WEAR M	FIAL2			
Iron	ppm	4	5	
Copper	ppm	■ 0	2	
Lead	ppm	2	5	
Tin	ppm	■ 0	0	
Aluminum	ppm	2	1	
Chromium	ppm	■ 0	- <1	
Molybdenum	ppm	0	<u></u> <1	
Nickel	ppm		0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	0	- <1	
Vanadium	ppm	0	0	
ADDITIV	F.C			
ADDITIV	<u> </u>			
Calcium	ppm	■ 108	□72	
Magnesium	ppm	6	■3	
— ·				

430

341

0



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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 silt (particulates < 14 microns in size) 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:VOLVO6174Unique No:11022109Signed:Don BaldridgeReport Date:14 May 2024

433

331

0

0

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus



CONSTRUCTION EQUIPMENT





GRAPHS

