

# **CONSTRUCTION EQUIPMENT** - HYDRAULIC SYSTEM

### Sample No: VCP405675

Oil Type: V	OLVO SUPER HYDRAULIC OIL 46
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#### Job No:

VOLVO				
	FORMATION			
Sample Number	· · · · · · · · · · · · · · · · · · ·	VCP405675	VCP405673	 
Sample Date		26 Apr 2024	02 Apr 2024	 
Machine Hours		6640	6500	 
Dil Hours		500	0	 
Oil Changed		Not Changd	Not Changd	 
Sample Status		NORMAL	ABNORMAL	 
		NORMAL	/ DIVOTIVI/ LE	
VOLVO				
V OIL CONDI	-	·		
Visc @ 40°C	cSt	<b>41.8</b>	41.7	 
Acid Number (AN)	mg KOH/g	0.45	0.43	 
VOLVO				
Contamin	IATION			
Water	%	NEG	NEG	 
Particles >4µm		1869		 
Particles >6µm		86		 
Particles >14µm		<b>11</b>		 
ISO 4406:1999 (c)		18/14/11		 
Silicon	ppm	2	2	 
Sodium	ppm	1	3	 
Potassium	ppm	■<1	2	 
WEAR ME	τλις			
		_	_	
Iron	ppm	7	7	 
Copper	ppm	6	7	 
Lead	ppm	■ <1	0	 
Tin	ppm	0	<1	 
Aluminum	ppm	0	<1	 
Chromium	ppm	0	0	 
Molybdenum	ppm	0	0	 
Nickel	ppm	0	<b></b> <1	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	0	1	 
Vanadium	ppm	0	0	 
VOLVO				 
	5			
Calcium	ppm	25	53	 
Magnesium	ppm	<b>1</b> 4	19	 
Zinc	ppm	392	444	 
Phosphorus	ppm	331	351	 
Barium	ppm	0		 
			0	
Boron	ppm	0		 

#### STEPHEN HARTMAN EXCAVATING INC

8554 W COUNTY RD 442 MANISTIQUE, MI US 49854 Contact: STEVE HARTMAN gpeterson@hartmanexcavating.com T: (906)341-2707 F:

## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 STEMANMI

 Unique No:
 11022110

 Signed:
 Wes Davis

 Report Date:
 14 May 2024

# **CONSTRUCTION EQUIPMENT**



J GRAPHS

VOLVO

