# CONSTRUCTION EQUIPMENT

SPM580045 AM TERM TERRAMAC RT14R 14RL00273 - HYDRAULIC SYSTE

Sample No: VCP420640 Oil Type: VOLVO SUPER H

VOLVO

Job No:

VOLVO SUPER HYDRAULIC OIL 46 SPM580045 AM TERM

3071

465

19/16/11

13

2

0

2



THOMAS AND A DECIMAL OF				
SAMPLE INF	ORMATION			
Sample Number		VCP420640	 	
Sample Date		10 Jul 2023	 	
Machine Hours		984	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITIO	DN			
Visc @ 40°C	St	42.8	 	
Acid Number (AN) r	ng KOH/g	1.25	 	



#### 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

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.

Potassiui	m
VOLVO	

Particles >4µm

Particles >6µm

Silicon

Sodium

Particles >14µm

ISO 4406:1999 (c)

CONTAMINATION

ppm

ppm

ppm

WEAR I	METALS			
Iron	ppm	∎1	 	
Copper	ppm	3	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	269	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

	VE2			
Calcium	ppm	<b>101</b>	 	
Magnesium	ppm	23	 	
Zinc	ppm	879	 	
Phosphorus	ppm	<b>798</b>	 	
Barium	ppm	3	 	
Boron	ppm	7	 	

 Depot:
 VOLVO8885

 Unique No:
 10574227

 Signed:
 Wes Davis

 Report Date:
 27 Jul 2023

Report Id: VOLVO8885 [WUSCAR] 05907575 (Generated: 07/27/2023 09:53:02) Rev: 1

Contact/Location: DAVE ENG - VOLVO8885

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 491,520 10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 6 ppm 5 30,720 -22 15,360 -21 2 7,680 20 bnorma 3,840 -19 0 1,920 -18 🛛 Jul10/23 Jul10/23 nber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q MA lead -14 6 tin 120 8 -13 60 ß 30 12 mdo Ę 15 -11 10 1 8 4 9 2 8 Ω Jul10/23 Jul10/23 0, 21µ $14\mu$ 38, Viscosity @ 40°C Acid Number 52 1.3 Abnormal 1.2 50 1.1 48 1.0 6.0 KOH/d Base 46 (J°0f) tSo tf Ë 0.7 Number 0.0 42 Pi2 0.4 40 0.3 0.2 38 Abnormal 0.1 0.0 36 Jul10/23 Jul10/23 Jul10/23 Jul10/23

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Contact/Location: DAVE ENG - VOLVO8885