CONSTRUCTION EQUIPMENT 703612 RENTALS VOLVO EC380EL 315583 - HYDRAULIC SYSTEM

Sample No:VCP439149Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:703612 RENTALS

VOLVO

SAMPLE	INFORMATION			
Sample Number		VCP439149	 	
Sample Date		09 May 2024	 	
Machine Hours		1337	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CON	DITION			
Visc @ 40°C	cSt	<b>41.1</b>	 	
Acid Number (AN	) mg KOH/g	0.46	 	
VOLVO				

CON1	ramination			
Water	%	NEG	 	
Particles >4µn	n	<b>A</b> 14016	 	
Particles >6µn	n	1742	 	
Particles >14µ	Im	63	 	
ISO 4406:1999	9 (c)	21/18/13	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	<b></b> <1	 	
Potassium	ppm	0	 	

## WEAR METALS

Iron	ppm	2	 	
Copper	ppm	<b>17</b>	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	<b></b> <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

VOLVO

ADDITIVES						
Calcium	ppm	85				
Magnesium	ppm					
Zinc	ppm	521				
Phosphorus	ppm	<b>405</b>				
Barium	ppm	0				
Boron	ppm	0				

### ALTA EQUIPMENT COMPANY

5210 REESE ROAD DAVIE, FL US 33314 Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

## Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

 Depot:
 VOLVO0095

 Unique No:
 11035549

 Signed:
 Wes Davis

 Report Date:
 21 May 2024

 Contact/Location: N. FACEY - VOLVO0095

## **CONSTRUCTION EQUIPMENT**



# GRAPHS

VOLVO

#### Ferrous Alloys A Particle Count 10 <del>-</del> 491.520--26 iron 9 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 🛛 (per 1 ml) May9/24 Mav9/24 4406:1999 Cleanlines 960 17 umber of particles Non-ferrous Metals 16 480 18 15 240 16 lead 14 120 14 -13 60 12 10 30 12 ppm 8 15 11 ß 8 10 4 2 2 8 <u>\_</u>\_\_\_\_ 0 Mav9/24 May9/24 21µ 14µ 38, Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 cSt (40°C) 44 0.25 Numper 0.20 42 . Pio V 0.15 40 0.10 Abnormal 38. 0.05 0.00-36 May9/24. May9/24 May9/24 Mav9/24