CONSTRUCTION EQUIPMENT 8000383051 VOLVO EC300EL 315097 - HYDRAULIC SYSTEM

 Sample No:
 VCP393018

 Oil Type:
 VOLVO SUPER HYDRAULIC OIL 46

 Job No:
 8000383051

VCP393018

## SAMPLE INFORMATION

Sample Number

VOLVO

Sample Date		20 Nov 2023		 
Machine Hours		3944		 
Oil Hours		2000		 
Oil Changed		Changed		 
Sample Status		ABNORMAL		 
OIL CONDI	TION			
Visc @ 40°C	cSt	<b>A</b> 34.9		 
CONTAMIN	NATION			
Water	%	NEC	-	
	70	NEG		 
Particles >4µm	70	NEG		 
Particles >4µm Particles >6µm	70			
	70	<b>1817</b>		 
Particles >6µm		■ 1817 ■ 464		 
Particles >6µm Particles >14µm	ppm	■ 1817 ■ 464 ■ 49		  
Particles >6µm Particles >14µm ISO 4406:1999 (c)		1817 464 49 18/16/13	  	     
Particles >6µm Particles >14µm ISO 4406:1999 (c) Silicon	ppm	1817 464 49 18/16/13	   	      



#### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL RED DEER COUNTY, AB CA T4S 2L4 Contact: Joseph St Peter jstpeter@strongco.com T: (403)346-3473 F: (403)346-3487

### 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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.

# WFAR METALS

ppm	7			
ppm	20			
ppm	<b>  </b> <1			
ppm	□<1			
ppm	<b>1</b>			
ppm				
ppm	0			
ppm	0			
ppm	0			
ppm	<1			
ppm	0			
ppm	0			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm       7         ppm       20         ppm       <1	ppm       7          ppm       20          ppm       <1	ppm       7           ppm       20           ppm       <1

ADDIT	IVES			
Calcium	ppm	<b>70</b>	 	
Magnesium	ppm	3	 	
Zinc	ppm	450	 	
Phosphorus	ppm	365	 	
Barium	ppm	■<1	 	
Boron	ppm	□<1	 	

 Depot:
 VOLVO9652

 Unique No:
 5683262

 Signed:
 Kevin Marson

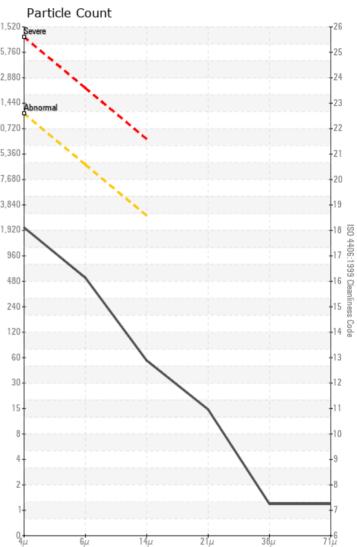
 Report Date:
 23 Nov 2023

# **CONSTRUCTION EQUIPMENT**



VOLVO

#### GRAPHS Ferrous Alloys 10 <del>-</del> 491,520 **x** iron 9 •• chromium 245,760 nickel 8 122,880 61,440 ß Abnorma ppm E, 30,720 15,360 2 7,680 3,840 Ω 1,920 nber of particles (per 1 ml) Nov20/23 Vov20/23 960 Non-ferrous Metals 480 20 copper 240 18 m lead • tin 120 16 14 60 12 30 u d 10 15 8 ß 8 4 2 2 0 Nov20/23 Nov20/23 0**+** 4µ Viscosity @ 40°C 52 Abnormal 50 48 Base 46 44 (0°0+) 42. 40. Abnormal 38



Report Id: VOLVO9652 [WCAMIS] 02598182 (Generated: 11/23/2023 09:04:02) Rev: 1

Nov20/23

36 34 32

Nov20/23