CONSTRUCTION EQUIPMENT X59119 VOLVO A25G 752694 - HYDRAULIC SYSTEM



Sample No:VCP441139Oil Type:AW HYDRAULIC OIL ISO 46Job No:X59119

# SAMPLE INFORMATION

VOLVO

Sample Number		VCP441139					
Sample Date		17 Jan 2024					
Machine Hours		1805					
Oil Hours		1805					
Oil Changed		Not Changd					
Sample Status		NORMAL					
OIL CONDITION							
Visc @ 40°C	cSt	42.7					
Acid Number (AN)	mg KOH/g	0.42					
CONTAMIN	ATION						
Water	%	NEG					

Water	%	NEG	 	
Particles >4µm		2146	 	
Particles >6µm		385	 	
Particles >14µm		29	 	
ISO 4406:1999 (c)		18/16/12	 	
Silicon	ppm	6	 	
Sodium	ppm	0	 	
Potassium	ppm	<b>1</b>	 	
Potassium	ppm		 	

## 🎾 WEAR METALS

ppm	8			
ppm	<b>4</b>			
ppm	3			
ppm	<b>1</b>			
ppm	2			
ppm				
ppm	<b>1</b>			
ppm				
ppm	<1			
ppm	0			
ppm	□<1			
ppm	<1			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm       4         ppm       3         ppm       1         ppm       2         ppm       <1	ppm     4        ppm     3        ppm     1        ppm     2        ppm     <1	ppm       4           ppm       3           ppm       1           ppm       2           ppm       <1

VOLVO

Calcium	ppm	59			
Magnesium	ppm				
Zinc	ppm	432			
Phosphorus	ppm	310			
Barium	ppm	<b>1</b>			
Boron	ppm	0			



SCOTT EQUIPMENT COMPANY LLC - Saint Rose

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### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

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:
 SCOSAI

 Unique No:
 10845012

 Signed:
 Wes Davis

 Report Date:
 24 Jan 2024

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys 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 7.680 20 3,840 -19 Ω 1,920 -18 🛛 Jan 17/24 nber of particles (per 1 ml) Jan 17/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 6 30 12 mdo 5 15 11 2 10 8 ema 2 Ω Jan 17/24 Jan 17/24 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52-1.00 T Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO) 0.60 0.60 KOH/8) 0.50 0.40 48 47 cSt (40°C) 46 45 44 Acid 1 43 Abnorma 42 0.20 41 Abnormal 0.10 40 39 0.00-Jan17/24 Jan 17/24 Jan 17/24 Jan 17/24

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Contact/Location: DANA FOSHEE - SCOSAI