

CONSTRUCTION EQUIPMENT VOLVO A25G 752310 - HYDRAULIC SYSTEM



Sample No: VCP436827

Oil Type:	VOLVO SUPER HYDRAULIC OIL 46
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Job No:

SAMPLE INFORMATION Sample Number VCP436827 Machine Hours 4096 Machine Hours 0 Oil Hours 0 Sample Date 0 Oil Hours 0 Sample Status SEVERE Socie 40°C cSt -42.0 Acid Number (AN) mg KOH/g 0.40 Voc CNTAMINATION Voc CNTAMINATION 22241 Particles >4µm 82138 Solduo ppm 4 Solduo ppm 1					
Sample Number VCP436827 Sample Date 03 Apr 2024 Machine Hours 4096 Oil Hours 0 Oil Changed Changed Sample Status SEVERE Visc @ 40°C cSt 42.0 Particles >4µm 82138 ISO 4406:1999 (c) 24/22/18 Sod					
Sample Date 03 Apr 2024 Machine Hours 4096 Oil Hours 0 Oil Changed Sample Status SEVERE Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C cSt 42.0 Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C x 22241 Particles >4µm 2184 Soldum ppm 1 </td <td></td> <td>INFORMATION</td> <td></td> <td> </td> <td><u>.</u></td>		INFORMATION		 	<u>.</u>
Machine Hours 4096 Oil Hours 0 Oil Changed Changed Sample Status SEVERE Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Visc @ 40°C cSt 42.138 Particles >4µm 2184 Sodium ppm 1 Sodium ppm 1 Iron ppm 3<	•			 	
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Oil Changed Changed Sample Status SEVERE Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Acid Number (AN) mg KOH/g 0.40 Particles >4µm % NEG Particles >4µm 82138 Particles >6µm ▲ 2184 ISO 4406:1999 (c) 24/22/18 Soldium ppm 1 Soldium ppm 1 Potassium ppm 1 Copper ppm 3 Icad ppm 3 Copper ppm 3 <td></td> <td></td> <td></td> <td></td> <td></td>					
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OIL CONDITION Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Curramination Second Water % NEG Particles >4µm 82138 Particles >14µm 22241 Iso 4406:1999 (c) 24/22/18 Sodium ppm 1 Sodium ppm 1 Visco WEAR METALS Visco ppm 12 Visco ppm 3 Copper ppm 3 Iso 4 p	Sample Status		SEVERE	 	
OIL CONDITION Visc @ 40°C cSt 42.0 Acid Number (AN) mg KOH/g 0.40 Correst C					
Acid Number (AN) mg KOH/g 0.40 Vater % NEG Particles >4µm 82138 Particles >6µm 22241 Particles >14µm 2184 ISO 4406:1999 (c) 24/22/18 Sodium ppm 1 Sodium ppm 1 Potassium ppm 1 Copper ppm 3 Lead ppm 2 Aluminum ppm 2 Molybdenum ppm 1 Sodium ppm <1	OIL CONE	DITION			
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CONTAMINATION Water % NEG Particles >4µm 82138 Particles >6µm 22241 Particles >14µm 2184 ISO 4406:1999 (c) 24/22/18 Solium ppm 1 Solium ppm 1 Solium ppm 1 VEARMETALS Vead ppm 3 Lead ppm 3 Aluminum ppm 21 Nolybdenum ppm <1					
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Particles > 6µm 22241 Particles > 14µm 24/22/18 ISO 4406:1999 (c) 24/22/18 Silicon ppm 4 Sodium ppm 11 Potassium ppm 11 VEAR METALS Iron ppm 12		%		 	
Particles > 14µm ▲ 2184 ISO 4406:1999 (c) 24/22/18 Silicon ppm 4 Sodium ppm 1 Potassium ppm 1 Potassium ppm 12 Copper ppm 8 Lead ppm 3 Aluminum ppm 2 Molybdenum ppm 1 Nickel ppm <1				 	
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WEAR METALS Iron ppm 12 Copper ppm 8 Lead ppm 3 Tin ppm <1	Potassium	ppm	1	 	
WEAR METALS Iron ppm 12 Copper ppm 8 Lead ppm 3 Tin ppm <1					
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Copper ppm 8 Lead ppm 3 Tin ppm <1	<u> </u>		12	 	
Lead ppm 3 Tin ppm <1				 	
Tin ppm <1 Aluminum ppm 2 Chromium ppm 1 Molybdenum ppm <1			—	 	
Aluminum ppm 2 Chromium ppm 1 Molybdenum ppm <1				 	
Chromium ppm 1 Molybdenum ppm <1			_		
Molybdenum ppm <1 Nickel ppm <1 Titanium ppm <1 Silver ppm 0 Manganese ppm <1				 	
Nickel ppm <1 Titanium ppm <1				 	
Titanium ppm <1 Silver ppm 0 Manganese ppm I	-		_	 	
Silver ppm 0 Manganese ppm I			—		
Manganese ppm 1				 	
			-	 	
	Vanadium	ppm	<1	 	

VOLVO

ADDITIV	ES			
Calcium	ppm	100	 	
Magnesium	ppm	2	 	
Zinc	ppm	396	 	
Phosphorus	ppm	293	 	
Barium	ppm	0	 	
Boron	ppm	0	 	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high amount of particulates (2 to 100 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:
 VOLVO0090

 Unique No:
 10966019

 Signed:
 Wes Davis

 Report Date:
 09 Apr 2024

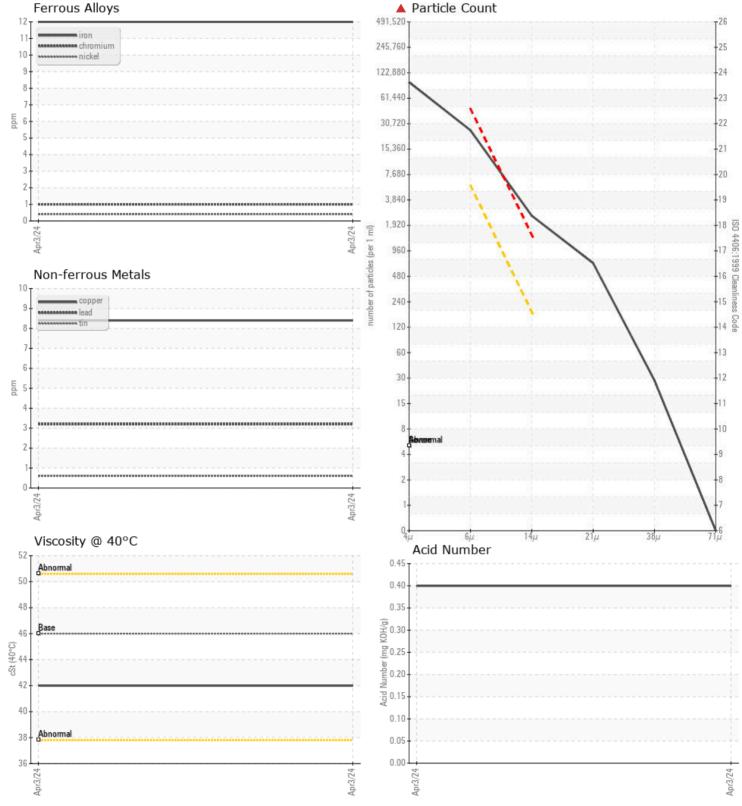
Contact/Location: TODD LARK - VOLVO0090

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TODD LARK - VOLVO0090