CONSTRUCTION EQUIPMENT VALBRUNA 393582 VOLVOL150H7150-HYDRAULIC SYSTEM

Sample No:VCP450295Oil Type:AW HYDRAULIC OIL ISO 46Job No:393582

VOIN

SAMPLE INFORMATION Sample Number VCP450295 Sample Date 02 Feb 2024 Machine Hours 2059 Oil Hours 0 Oil Hours 0 Oil Hours 0 Sample Status ABNORMAL Visc @ 40°C CSt 42.3 Visc @ 40°C CSt 42.3 Visc @ 40°C CSt 42.3 Visc @ 40°C CSt 43678 Particles >14µm 43678 ISO 4406:1999 (c) 23/20/15 Silicon ppm 1 <	VOLVO				
Sample Date 02 Feb 2024 Machine Hours 2059 Oil Hours 0 Oil Changed Not Changd Sample Status ABNORMAL Visc @ 40°C CSt 42.3 Visc @ 40°C CSt 43678 Particles >4µm 43678 Particles >4µm 173 Stilicon ppm 1 Sodium ppm 1 Sodium ppm 3 Sodium ppm 2 Sodium ppm 3 </th <th>SAMPLE</th> <th>INFORMATION</th> <th>1</th> <th></th> <th></th>	SAMPLE	INFORMATION	1		
Sample Date 02 Feb 2024 Machine Hours 2059 Oil Hours 0 Oil Changed Not Changd Sample Status ABNORMAL Visc @ 40°C CSt 42.3 Visc @ 40°C CSt 43678 Particles >4µm 43678 Particles >4µm 173 Stilicon ppm 1 Sodium ppm 1 Sodium ppm 3 Sodium ppm 2 Sodium ppm 3 </td <td>Sample Number</td> <td></td> <td>VCP450295</td> <td> </td> <td></td>	Sample Number		VCP450295	 	
Oil Hours O Oil Changed Not Changd Sample Status ABNORMAL Oil CONDITION Visc @ 40°C cSt 42.3 CONTAMINATION Particles >4µm 43678 Particles >6µm A 5734 Particles >6µm A 173 So Ado6:1999 (c) 23/20/15 So Ado6:1999 (c) 23/20/15 So Ado6:1999 (c) 23/20/15 Visc @ 40°C 23/20/15 Soldum ppm 1 Solducin ppm 21 Copper ppm 0	Sample Date		02 Feb 2024	 	
Not Changd Sample Status ABNORMAL Visc @ 40°C cSt 42.3 Visc @ 40°C cSt 42.3 Water % NEG Particles >4µm 43678 Particles >6µm 5734 Particles >1µm 4173 ISO 4406:1999 (c) 23/20/15 Sodium ppm 1 Portassium ppm 21 Sodium ppm 2 Copper ppm 2 Copper ppm 2 Aluminum ppm 2 Nickel ppm 0 </td <td>Machine Hours</td> <td></td> <td>2059</td> <td> </td> <td></td>	Machine Hours		2059	 	
Sample Status ABNORMAL Visc @ 40°C cSt 42.3 Water % NEG Particles >6µm 43678 Particles >6µm 5734 Particles >14µm 173 Sodium ppm 1 Sodium ppm <11	Oil Hours		0	 	
Visc @ 40°C cSt 42.3 CONTAMINATION Visc @ 40°C cSt 43678 Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 5734 Sto 406:1999 (c) 23/20/15 Sto 406:1999 (c) 23/20/15 Sto 406:1999 (c) 23/20/15 Sto 400:1999 (c) 23/20/15 Sto 400:1999 (c) 23/20/15 Sto 400:1999 (c) 23/20/15 Sto 400:199 (c) 23/20/15 Stodium	Oil Changed		Not Changd	 	
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OIL CONDITION Visc @ 40°C cSt 42.3 CONTAMINATION NEG Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 173 ISO 4406:1999 (c) 23/20/15 Soldium ppm 1 Soldium ppm 1 Soldium ppm 21 VEAR METALS Tron ppm 3 Lead ppm 1 Lead ppm 0					
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Valuer % NEG Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 173 Particles >14µm 173 ISO 4406:1999 (c) 23/20/15 ISO 4406:1999 (c) 23/20/15 Sodium ppm 1 Sodium ppm <1			42.3	 	
CONTAMINATION Water % NEG Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 173 ISO 4406:1999 (c) 23/20/15 Solium ppm 1 Solium ppm <1		cor			
Water % NEG Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 173 ISO 4406:1999 (c) 23/20/15 Solium ppm 1 Sodium ppm <1	VOLVO				
Particles >4µm 43678 Particles >6µm 5734 Particles >14µm 173 ISO 4406:1999 (c) 23/20/15 Solicon ppm 1 Solium ppm <1	🥑 Contam	INATION			
Particles > 6µm 5734 Particles > 14µm 173 	Water	%	NEG	 	
Particles > 14µm 173 ISO 4406:1999 (c) 23/20/15 Solicon ppm 1 Solicon ppm <1	Particles >4µm		43678	 	
ISO 4406:1999 (c) 23/20/15 Silicon ppm 1 Sodium ppm <1	Particles >6µm		🔺 5734	 	
Siliconppm1Sodiumppm<1	Particles >14µm		🔺 173	 	
Sodium ppm <1 Potassium ppm <1	ISO 4406:1999 (c)		23/20/15	 	
Potassium ppm <1 WEAR METALS Iron ppm 3 Copper ppm 2 Lead ppm 0 Aluminum ppm <1 Molybdenum ppm 21 Nickel ppm 0 Nickel ppm 0 Silver ppm 0 Manganese ppm 0	Silicon	ppm	1	 	
WEAR METALS Iron ppm 3 Copper ppm 2 Lead ppm 1 Aluminum ppm 0 Aluminum ppm 21 Nolybdenum ppm 21 Nickel ppm 0 Nickel ppm 0 Silver ppm 0 Manganese ppm 0	Sodium	ppm	 <1	 	
WEAR METALS ron ppm 3 Copper ppm 2 Lead ppm 1 Aluminum ppm <1	Potassium	ppm		 	
WEAR METALS Iron ppm 3 Copper ppm 2 Lead ppm 1 Aluminum ppm <1					
Copper ppm 2 Lead ppm 1 Tin ppm 0 Aluminum ppm <1	WEAR M	ETALS			
Lead ppm 1 Tin ppm 0 Aluminum ppm <1	Iron	ppm	3	 	
Tin ppm 0 Aluminum ppm <1	Copper	ppm	2	 	
Aluminum ppm <1		ppm	∎1	 	
Chromium ppm 2 Molybdenum ppm 0 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0	Tin	ppm	0	 	
Chromium ppm 2 Molybdenum ppm 0 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0	Aluminum		■ <1	 	
Molybdenum ppm 0 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0	Chromium			 	
Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0	Molybdenum		0	 	
Titanium ppm 0 Silver ppm 0 Manganese ppm 0	-			 	
Silver ppm 0 Manganese ppm 0	Titanium		0	 	
Manganese ppm 0	Silver		0	 	
Vanadium ppm 0	Manganese		0	 	
	Vanadium	ppm	0	 	

Calcium	ppm	60					
Magnesium	ppm	 <1					
Zinc	ppm	419					
Phosphorus	ppm	338					
Barium	ppm	0					
Boron	ppm	0					



STRONGCO EQUIPMENT (CE)

1051 Heritage Rd. Burlington, ON CA L7L 4Y1 Contact: Sue Hooton shooton@strongco.com T: (905)331-3835 F: (905)643-6077

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:	VOLVO0252
Unique No:	5724149
Signed:	Wes Davis
Report Date:	13 Feb 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

