CONSTRUCTION EQUIPMENT 5520DR KINSLEY CONST VOLVO A40E 13563 - HYDRAULIC SYSTEM

Sample No: VCP431945

VOLVO

Oil Type: VOLVO SUPER HYDRAULIC OIL 46 Job No: 5520DR KINSLEY CONST

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SAMPLE INFORMATION Sample Number VCP431945 VCP145382 Sample Date 03 May 2024 21 Jun 2013 Machine Hours 13563 2149 Oil Hours 2000 0 Changed Oil Changed Not Changd ATTENTION Sample Status NORMAL **OIL CONDITION** Visc @ 40°C cSt 43.5 89.83 0.503 Acid Number (AN) mg KOH/g 0.80

CONT	TAMINATION			
Water	%	NEG	NEG	
Particles >4µm	n	43581	221	
Particles >6µm	n	9199	120	
Particles >14µ	Im	112	20	
ISO 4406:1999	9 (c)	23/20/14	15/14/11	
Silicon	ppm	1 4	10	
Sodium	ppm	5	<1	
Potassium	ppm	0	0	

WEAR METALS

Iron	ppm	4	1	
Copper	ppm	∎1	3	
Lead	ppm	0	<1	
Tin	ppm		0	
Aluminum	ppm	3	< 1	
Chromium	ppm		0	
Molybdenum	ppm	1	0	
Nickel	ppm	0	0	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	0	
Vanadium	ppm	0	0	

VOLVO

ADDITI	IVES			
Calcium	ppm	93262	49	
Magnesium	ppm	- 38	0	
Zinc	ppm	🛑 1296	423	
Phosphorus	ppm	1091	338	
Barium	ppm	 <1	0	
Boron	ppm	110	<1	



HIGHWAY EQUIPMENT & SUPPLY CO

PO BOX 127 DRUMS, PA US 18222 Contact: JUSTIN BLOSS justin@hwyequip.com T: (570)788-1127 F: (570)708-2933

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

 Depot:
 VOLVO0022

 Unique No:
 11019878

 Signed:
 Don Baldridge

 Report Date:
 14 May 2024

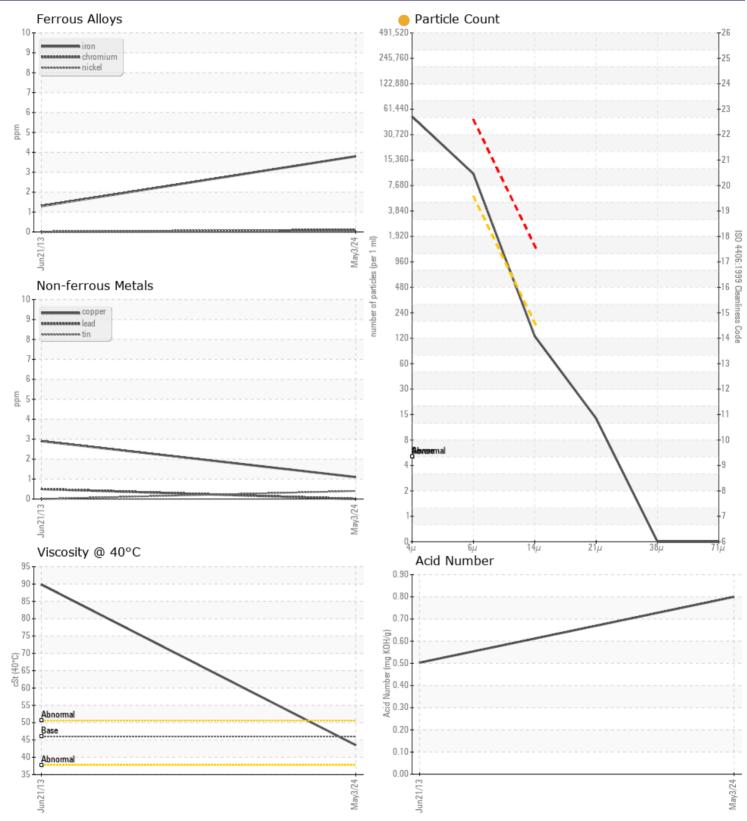
Contact/Location: JUSTIN BLOSS - VOLVO0022

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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