

CONSTRUCTION EQUIPMENT HORST VOLVO EC46OCL 110503 - HYDRAULIC SYSTEM



Sample No: VCP348816

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: HORST

SAMPLE	INFORMATION				
Sample Number		VCP348816	VCP304545	VCP148650	
Sample Date		26 Jan 2023	25 May 2021	18 Dec 2015	
Machine Hours		9014	7721	3899	
Oil Hours		0	0	0	
Oil Changed		Not Changd	Not Changd	Not Changd	
Sample Status		ABNORMAL	NORMAL	NORMAL	
Sample Status		ADITORIVIAL	NONIVIAL	NONIVIAL	
VOLVO					
OIL CON	DITION				
Visc @ 40°C	cSt	40.9	41.0	43.59	
Acid Number (AN	N) mg KOH/g	■ 0.60	0.559	■ 0.472	
LUNTAN	MINATION				
_	MINATION				
Particles >4µm		<u> </u>	24710	■15239	
Particles >6µm		<u> </u>	■2042	455	
Particles > 14µm		■810	■85	■ 44	
ISO 4406:1999 (c)	24/21/17	22/18/14	21/16/13	
Silicon	ppm	7	6	5	
Sodium	ppm	2	5	1	
Potassium	ppm	1	□ <1	2	
WEAR N	AFTAI S				
_		= 22	- 45		
Iron	ppm	22	1 5	8	
Copper	ppm	16	1 6	1 11	
Lead	ppm	1	<1	_1	
Tin	ppm	■<1	<1	<1	
Aluminum	ppm	3	3	1	
Chromium	ppm	<u> 17</u>	2	<1	
Molybdenum	ppm	4	2	0	
Nickel	ppm	■<1	0	<1	
Titanium	ppm	<1	<1	<1	
Silver	ppm	0	<1	0	
Manganese	ppm		<1	<1	
Vanadium	ppm	0	0	0	
VOLVO					
ADDITIV	/ES				
Calcium	ppm	1650	914	89	
Magnesium	ppm	■48	26	3	
Zinc		□ 731	□ 664	447	
Phosphorus	ppm	■ 731 ■ 599	527	367	
rnosphorus	ppiii	<u> </u>	<u> </u>	307	

0

0



HIGHWAY EQUIPMENT AND SUPPLY CO 200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The chromium level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:INSEPHUnique No:10320686Signed:Jonathan HesterReport Date:06 Feb 2023

0

ppm

ppm

Barium

Boron

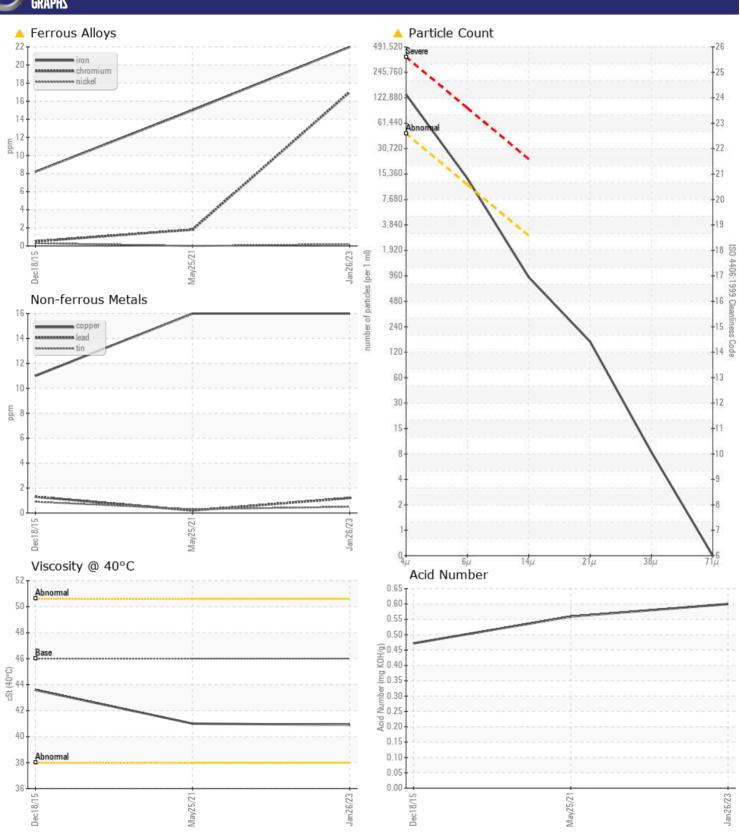


CONSTRUCTION EQUIPMENT





GRAPHS



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Contact/Location: CHAD HERRON - INSEPH