CONSTRUCTION EQUIPMENT 3040 VOLVO EC220EL 314928 - HYDRAULIC SYSTEM



Sample No:VCP401519Oil Type:CASTROL HD AW ISO 46Job No:3040

VOLVO

SAMPLE INFORMATION

Sample Number	-	VCP401519	VCP403834	
Sample Date		28 Nov 2023	25 Apr 2023	
Machine Hours		1040	511	
Oil Hours		0	0	
Oil Changed		Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.8	43.4	
Acid Number (AN)	mg KOH/g	0.43	0.36	
VOLVO				

CONTA	MINATION				
Water	%	NEG	NEG	 	
Particles >4µm		4310	4273	 	
Particles >6µm		479	320	 	
Particles >14µm	1	27	30	 	
ISO 4406:1999 (c)	19/16/12	19/15/12	 	
Silicon	ppm	4	3	 	
Sodium	ppm	■ <1	<1	 	
Potassium	ppm	2	<1	 	

🦉 WEAR METALS

Iron	ppm	1	2	
Copper	ppm	21	16	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	□<1	 < 1	
Chromium	ppm	0	0	
Molybdenum	ppm	0	0	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	□<1	 < 1	
Vanadium	ppm	0	0	

VOLVO

Calcium	ppm	61	67		
Magnesium	ppm	2	4		
Zinc	ppm	482	442		
Phosphorus	ppm	367	361		
Barium	ppm	0	0		
Boron	ppm	0	0		



LEONARDS CONTRACTING

30850 STEPHENSON HWY MADISON HEIGHTS, MI US 48071 Contact: LARRY SCHRADE larry.schrade@sdevelop.com T: (810)499-1953 F: x:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 LEOMAD

 Unique No:
 10791975

 Signed:
 Jonathan Hester

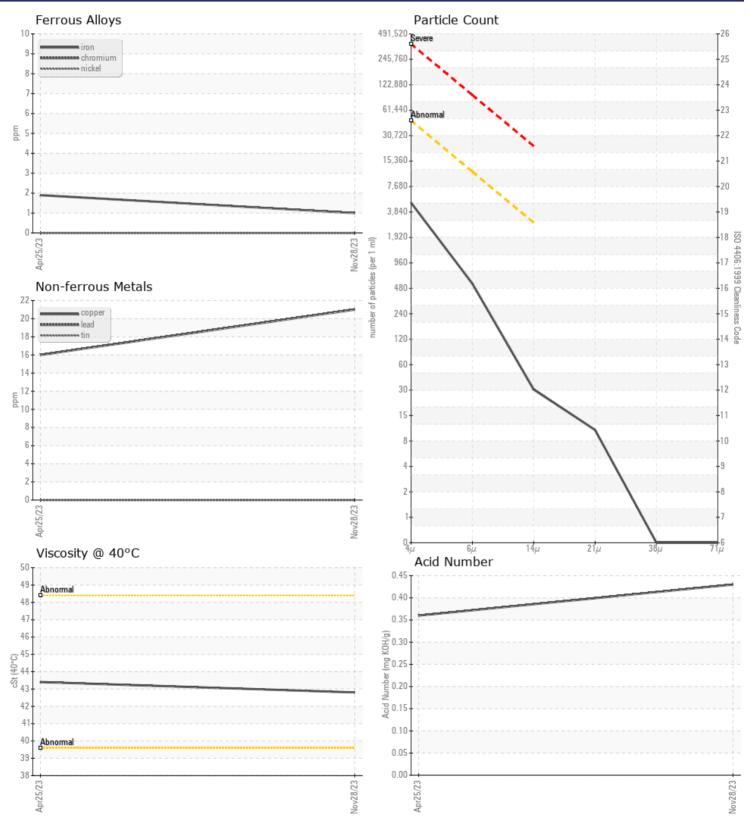
 Report Date:
 20 Dec 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: LARRY SCHRADE - LEOMAD