CONSTRUCTION EQUIPMENT SW1021633 VOLVO ECR40D 14357 - HYDRAULIC SYSTEM

Sample No:VCP423013Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:SW1021633

VOLVO

SAMPLE IN	FORMATION			
Sample Number	-	VCP423013	VCP319786	
Sample Date		08 Aug 2023	03 Nov 2021	
Machine Hours		0	1196	
Oil Hours		0	1196	
Oil Changed		Not Changd	Changed	
Sample Status		SEVERE	ABNORMAL	
OIL CONDI	TION			
Visc @ 40°C	cSt	42.7	42.0	
Acid Number (AN)	mg KOH/g	0.30	0.429	
CONTAMIN	ATION			
Particles >4µm		60185		
Particles >6µm		<u> </u>		
Particles >14um		8		

Particles >6µm		<u> </u>		 	
Particles >14µm		8		 	
ISO 4406:1999 (c)		23/19/10		 	
Silicon	ppm	4	4	 	
Sodium	ppm	0	1	 	
Potassium	ppm	1	4	 	

WEAR I	METALS			
Iron	ppm	12	18	
Copper	ppm	32	34	
Lead	ppm	1	<1	
Tin	ppm		0	
Aluminum	ppm	<1	□ <1	
Chromium	ppm		 <1	
Molybdenum	ppm	□ <1	 < 1	
Nickel	ppm		<1	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	 < 1	
Vanadium	ppm	0	0	

	IVES				
Calcium	ppm	24	42	 	
Magnesium	ppm	3	5	 	
Zinc	ppm	347	405	 	
Phosphorus	ppm	291	287	 	
Barium	ppm	0	 <1	 	
Boron	ppm	0	6	 	

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TJ LARK tlark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

Diagnosis

Check seals and/or filters for points of contaminant entry. 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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.All 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

 Depot:
 VOLV08770

 Unique No:
 10604741

 Signed:
 Wes Davis

 Report Date:
 16 Aug 2023

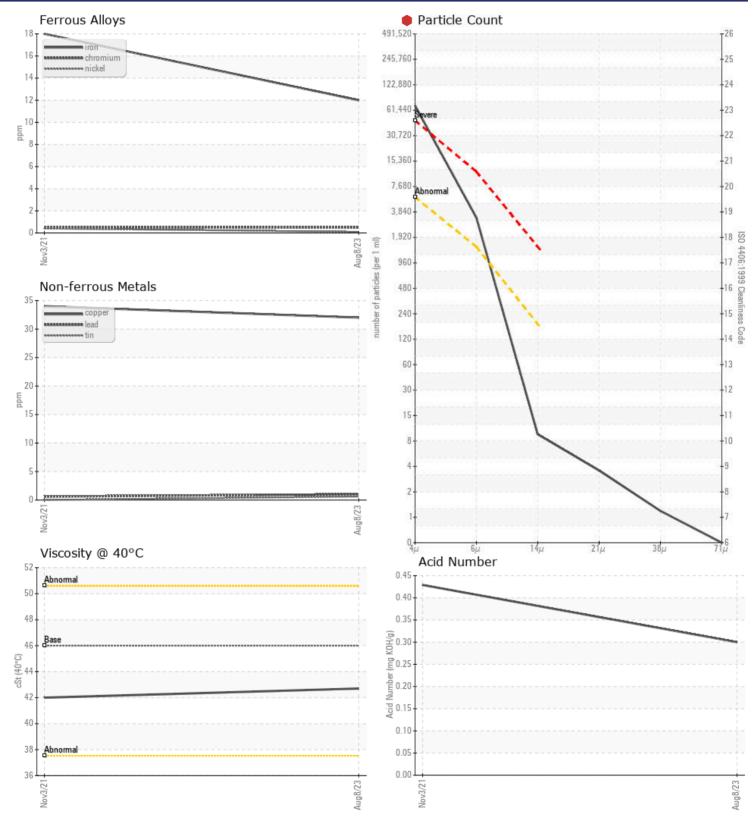
Contact/Location: TJ LARK - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TJ LARK - VOLVO8770