CONSTRUCTION EQUIPMENT SW0-070465 EPIROC T45-11SF AV014A1117 - HYDRAULIC SYS

Sample No:VCP454211Oil Type:AW HYDRAULIC OIL ISO 46Job No:SWO-070465

SAMPLE INFORMATION

VOIN

Sample Number	-	VCP454211	VCP419135	VCP402461			
Sample Date		14 Mar 2024	24 Jul 2023	16 Mar 2023			
Machine Hours		1217	11559	10872			
Oil Hours		0	0	0			
Oil Changed		Not Changd	Not Changd	Not Changd			
Sample Status		SEVERE	ABNORMAL	ABNORMAL			
Visc @ 40°C	cSt	45.8	46.1	46.9			
Acid Number (AN)	mg KOH/g	0.58	0.48	0.46			
VOLVO	_						

CONT/	AMINATION				
Water	%	NEG	NEG	NEG	
Particles >4µm		44466		▲ 159189	
Particles >6µm		<u> </u>		63123	
Particles >14µn	n	428		▲ 395	
ISO 4406:1999	(c)	23/20/16		24/23/16	
Silicon	ppm	5	6	6	
Sodium	ppm	1	1	<1	
Potassium	ppm	0	<1	0	

WEAR METALS

Iron	ppm	3	3	6	
Copper	ppm	2	1	1	
Lead	ppm	0	0	0	
Tin	ppm	■<1	0	0	
Aluminum	ppm	0	0	<1	
Chromium	ppm	■ <1	0	0	
Molybdenum	ppm	5	2	2	
Nickel	ppm	0	0	0	
Titanium	ppm	0	<1	0	
Silver	ppm	0	0	0	
Manganese	ppm	■ <1	0	<1	
Vanadium	ppm	0	<1	0	

VOLVO

Calcium	ppm	107	77	115	
Magnesium	ppm	16	12	15	
Zinc	ppm	452	442	452	
Phosphorus	ppm	352	353	351	
Barium	ppm	0	0	0	
Boron	ppm	■ <1	0	<1	



WHITAKER CONTRACTING

692 CONVICT CAMP RD GUNTERSVILLE, AL US 35976 Contact: BROTHER WHITAKER BrotherWhitaker@whitaker-contracting.com T: (256)298-3905 F:

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. 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 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:
 WHIGUN

 Unique No:
 10938976

 Signed:
 Wes Davis

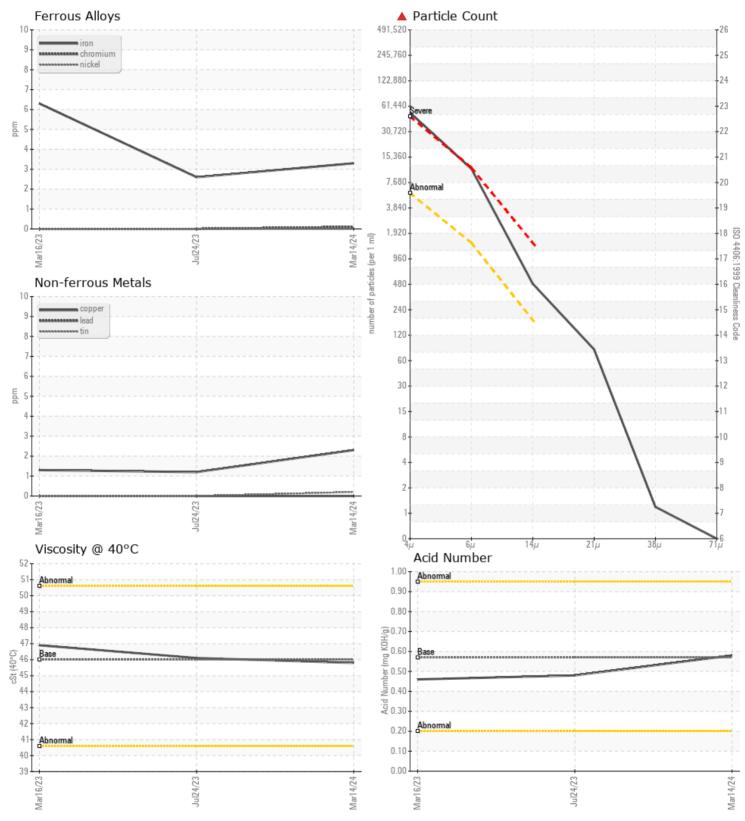
 Report Date:
 22 Mar 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: WHIGUN [WUSCAR] 06124825 (Generated: 03/22/2024 07:37:26) Rev: 1

Contact/Location: BROTHER WHITAKER - WHIGUN