CONSTRUCTION EQUIPMENT 646971 VOLVO EC380EL 311542 - HYDRAULIC SYSTEM

Sample No:	VCP452296			
Oil Type:	VOLVO SUPER HYDRAULIC OIL 46			
Job No:	646971			

SAMPLE INFORMATION

VOLV

Sample Number	-	VCP452296	VCP233940			
Sample Date		20 Dec 2023	27 Feb 2019			
Machine Hours		3878	404			
Oil Hours		3878	404			
Oil Changed		Changed	Changed			
Sample Status		ABNORMAL	ATTENTION			
Visc @ 40°C	cSt	47.2	43.98			
Acid Number (AN)	mg KOH/g	0.39	0.463			

	MINATION			
Water	%	NEG	NEG	
Particles >4µm		A 127851	6 1566	
Particles >6µm		49241	1 8625	
Particles >14µm		3224	▲ 2586	
ISO 4406:1999 (c	:)	24/23/19	23/21/19	
Silicon	ppm	2	1	
Sodium	ppm	 <1	0	
Potassium	ppm	 <1	 <1	

🎾 WEAR METALS

ppm	■4	3		
ppm	9	11		
ppm	0	< 1		
ppm		<1		
ppm	□<1	 <1		
ppm	2	 <1		
ppm	0	0		
ppm	0	0		
ppm	<1	0		
ppm	0	0		
ppm	□<1	 < 1		
ppm	0	0		
	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm 9 ppm 0 ppm <1	ppm 9 11 ppm 0 <1	ppm 9 11 ppm 0 <1

VOLVO

ADDITIV	ES				
Calcium	ppm	170	86	 	
Magnesium	ppm	15	<1	 	
Zinc	ppm	459	464	 	
Phosphorus	ppm	367	364	 	
Barium	ppm	0	0	 	
Boron	ppm		<1	 	



FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: F:

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate 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:
 FERDET

 Unique No:
 10822555

 Signed:
 Wes Davis

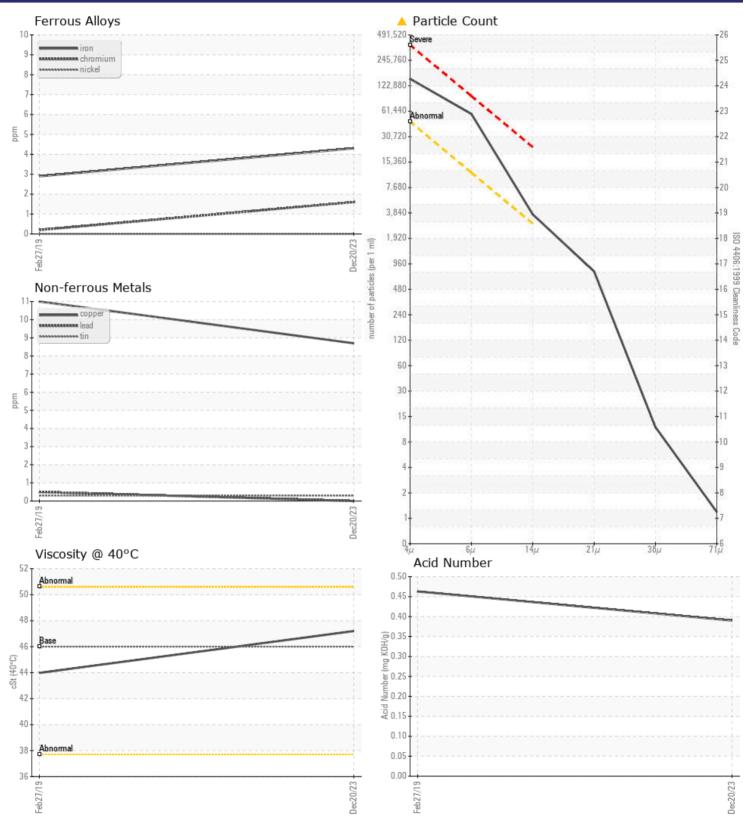
 Report Date:
 11 Jan 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: FERDET [WUSCAR] 06056606 (Generated: 01/11/2024 13:35:03) Rev: 1

Contact/Location: KEITH HALL - FERDET