CONSTRUCTION EQUIPMENT 607580 SENNEBOGEN 840 2345 - HYDRAULIC SYSTEM

 Sample No:
 VCP431501

 Oil Type:
 VOLVO SUPER HYDRAULIC OIL 46

 Job No:
 607580

SAMPLE INFORMATION

VOLVO

Sample Number		VCP431501	 	
Sample Date		11 Oct 2023	 	
Machine Hours		2072	 	
Oil Hours		2000	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITIO	N			
Visc @ 40°C	St	A 36.59	 	
Acid Number (AN) m	ng KOH/g	1.03	 	
Contaminat	FION			
Particles >4µm		A 195265	 	
Particles >6µm		A 82498	 	

🔺 464

2

3

0

25/24/16



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. Resample at the next service interval to monitor.The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

ppm

ppm

ppm

Particles >14µm

Silicon

Sodium

Potassium

ISO 4406:1999 (c)

Iron	ppm	🔺 25	 	
Copper	ppm	4	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

Calcium	ppm	1069					
Magnesium	ppm	0					
Zinc	ppm	625					
Phosphorus	ppm	532					
Barium	ppm	0					
Boron	ppm	0					

Depot: FERDET Unique No: 10698473 Signed: Jonathan Hester Report Date: 23 Oct 2023

Report Id: FERDET [WUSCAR] 05981178 (Generated: 10/24/2023 07:39:24) Rev: 1

Contact/Location: KEITH HALL - FERDET

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 26-491,520 -26 24 iron 🕶 chromium 245,760 -25 22 nickel 20 122,880 -24 18 16 61,440 -23 ud 12 30,720 -22 10 15,360 -21 8 6 7,680 -20 Abnorma 3,840 -19 0 1,920 -18 🛛 0ct11/23 nber of particles (per 1 ml) /23 4406:1999 Cleanlines: Oct11 960 17 Non-ferrous Metals 480 16 10 15 copper 240 q nn lead 14 Code tin 120 8 -13 60 ß 30 -12 mdo 5 15 -11 2 8 10 2 4 .9 2 8 0 1/23 0ct11/23 0ct11 0, 21µ 14μ 38µ Viscosity @ 40°C Acid Number 52 1.1 Abnormal 50 1.0 48 0.9 ^{(60.8}) (6/H0 0.7 Base 46 (0°01 12 12 12 Ē 0.6 Acid Number 0.5 0.4 40 0.3 38 Abnormal 0.2 36 0.1 0.0-34 0ct11/23 0ct11/23 0ct11/23 0ct11/23

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