

CONSTRUCTION EQUIPMENT VOLVO A30F 82299 - HYDRAULIC SYSTEM



Sample No: VCP454425

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No:

VOLVO					
SAMPLE II	NFORMATION				
Sample Number	-	VCP454425	VCP333241		
Sample Date		08 Feb 2024	20 Jan 2022		
Machine Hours		11488	10461		
Oil Hours		0	1500		
Oil Changed		Not Changd	Not Changd		
Sample Status		SEVERE	ABNORMAL		
OIL CONDI	TION				
		A 52.0	- 42 F		
Visc @ 40°C	cSt	▲ 52.8	42.5		
Acid Number (AN)	mg KOH/g	0.45	■0.46		
VOLVO					
CONTAMIN	NATION				
Water	%	△ 0.557	NEG		
Particles >4µm		3341			
Particles >6µm		1820			
Particles > 14µm		310			
ISO 4406:1999 (c)		19/18/15			
Silicon	ppm	3	3		
Sodium	ppm	2	<u> </u>		
Potassium	ppm	0	1		
VOLVO WEAD ME	TALC				
WEAR ME	IAL2				
Iron	ppm	2	3		
Copper	ppm	2	2 9		
Lead	ppm	■3	< 1		
Tin	ppm	■ 0	- <1		
Aluminum	ppm	■ <1	0		
Chromium	ppm	■0	0		
Molybdenum	ppm	■0	- <1		
Nickel	ppm	■0	0		
Titanium	ppm	0	0		
Silver	ppm	0	<1		
Manganese	ppm		0		
Vanadium	ppm	0	0		
VOLVO					
ADDITIVE:					
Calcium	ppm	110	<u></u> 78		
Magnesium	ppm	4	2		
Zinc	ppm	446	46 5		
Phosphorus	ppm	■360	353		
Barium	ppm	■ <1	0		
Boron	ppm	0	<1		
DOIOII	ppiii			-3-	



RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:

Diagnosis

We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a moderate amount of particulates present in the oil. There is a moderate concentration of water present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

Depot:RIPTAMUnique No:10874647Signed:Jonathan HesterReport Date:16 Feb 2024



CONSTRUCTION EQUIPMENT





GRAPHS

