

CONSTRUCTION EQUIPMENT

TMR-OKEECHOBEE 4098 434166 VOLVO L180H 4821 - HYDRAUL



Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: 4098

VOLVO				
SAMPLE INFORMATION				
Sample Number	VCP445666	VCP435343	VCP408044	VCP337755
Sample Date	12 Feb 2024	23 Jan 2024	01 May 2023	09 Dec 2022
Machine Hours	15531	15313	13007	11568
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ATTENTION	NORMAL	ABNORMAL

OIL CONDITION						
Visc @ 40°C	cSt	▲ 61.7	▲ 59.54	■49.7	44.6	
Acid Number (AN)	mg KOH/g		□ 0.597	□ 0.35	■0.32	

CONTAMINATION					
Water	%	NEG	NEG	NEG	NEG
Particles >4µm	n	4 34407	▲ 8292	4533	17527
Particles > 6µm	n	△ 5003	1 067	731	4271
Particles >14µ	ım	130	■20	2 2	1 97
ISO 4406:1999) (c)	22/20/14	20/17/11	19/17/12	21/19/15
Silicon	ppm	■<1	- <1	1	1
Sodium	ppm	1	1	5	0
Potassium	ppm	■ 0	<1	2	< 1

WEAR	METALS				
Iron	ppm	1	1	1	2
Copper	ppm	■<1	- <1	0	0
Lead	ppm	0	□ 0	- <1	0
Tin	ppm	■<1	- <1	- <1	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	■0	- <1	□ 0	0
Molybdenum	ppm	2	2	4	2
Nickel	ppm	■0	0	- <1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■<1	< 1		0
Vanadium	ppm	0	<1	0	0

ADDITIVES						
Calcium	ppm	■93	112	■91	■88	
Magnesium	ppm	11	1 6	■24	■10	
Zinc	ppm	409	406	470	425	
Phosphorus	ppm	■348	■375	■380	□324	
Barium	ppm	0	0	0	□0	
Boron	ppm	■ 2	3	■3	2	



TRADEMARK METALS RECYCLING - OKEECHOBEE

9800 NE 128TH AVE OKEECHOBEE, FL US 34972

Contact: RYAN BOWDEN

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Insufficient sample was received to conduct all the routine laboratory tests. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in service.

Depot:TRAOKEUnique No:10882935Signed:Jonathan HesterReport Date:19 Feb 2024

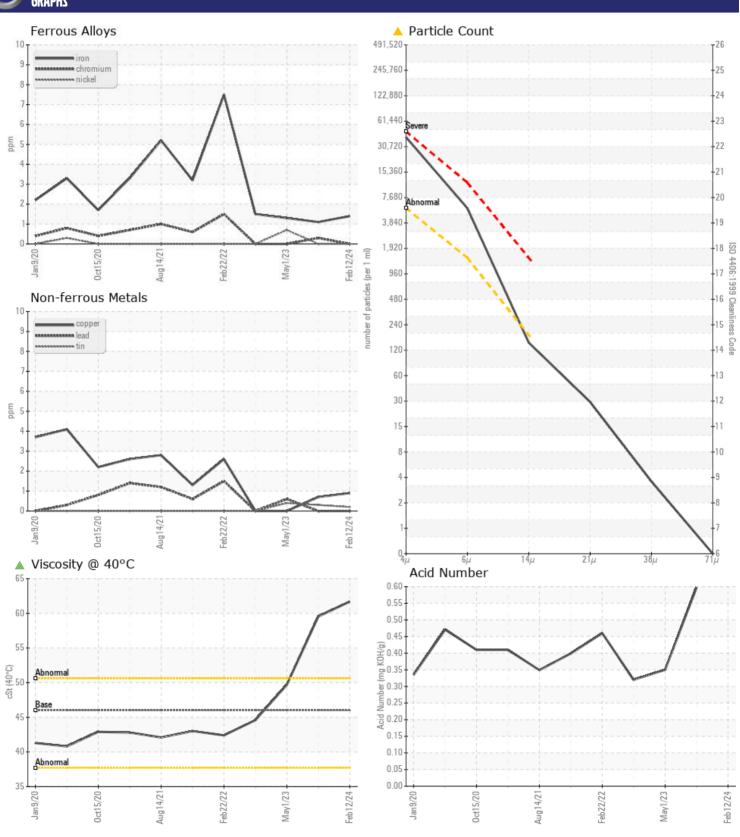


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GRAPHS



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Contact/Location: RYAN BOWDEN - TRAOKE