CONSTRUCTION EQUIPMENT SW0-067561 ATLAS COPCO T45-10SF TMG18SED0183 - HYDRA

Sample No:VCP445722Oil Type:VOLVO SUPER HYDRAULIC OIL 46Job No:SWO-067561

TOTATO

SAMPLE IN	FORMATION				
Sample Number		VCP445722	VCP431122	VCP424667	VCP401093
Sample Date		13 Nov 2023	31 Aug 2023	02 May 2023	06 Mar 2023
Machine Hours		6283	5911	5181	4738
Oil Hours		0	0	0	0
Dil Changed		Not Changd	Not Changd	Not Changd	N/A
Sample Status		SEVERE	ABNORMAL	NORMAL	ATTENTION
VOLVO					
V OIL CONDI			<u> </u>		
Visc @ 40°C	cSt	<b>46.5</b>	46.3	46.3	46.1
Acid Number (AN)	mg KOH/g	0.38	0.41	0.43	0.45
	IATION				
Particles >4µm		<b>5</b> 4951	▲ 11055	3037	▲ 9600
Particles >6µm		<ul> <li>10311</li> </ul>	1192	472	▲ 2136
Particles > 14µm		▲ 248	11	12	2130
SO 4406:1999 (c)		23/21/15	21/17/11	19/16/11	20/18/12
Silicon	ppm	<b>2</b> 3/21/15			4
Sodium	ppm	0	1	2	□ <1
Potassium	ppm	<b>■</b> <1	<1	0	0
	ppin				
VOLVO					
VEAR ME	TALS				
Iron	ppm	4	2	3	3
Copper	ppm	<b>4</b>	3	4	3
Lead	ppm	<b>  </b> <1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<b>  </b> <1	<b></b> <1	0	<b></b> < 1
Chromium	ppm	0	0	<b></b> <1	0
Molybdenum	ppm	2	2	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<b></b> <1	0
Vanadium	ppm	0	0	0	0
	5				
Calcium	ppm	68	66	80	78
Magnesium	ppm	13	8	14	9
Zinc		407	431	441	421
Phosphorus	ppm ppm	330	347	355	334
Barium		7	0	0	0
Boron	ppm	0	0	1	<b>□</b> <1
BOIOII	ppm		0		

## 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. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation.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:
 10743357

 Signed:
 Wes Davis

 Report Date:
 17 Nov 2023

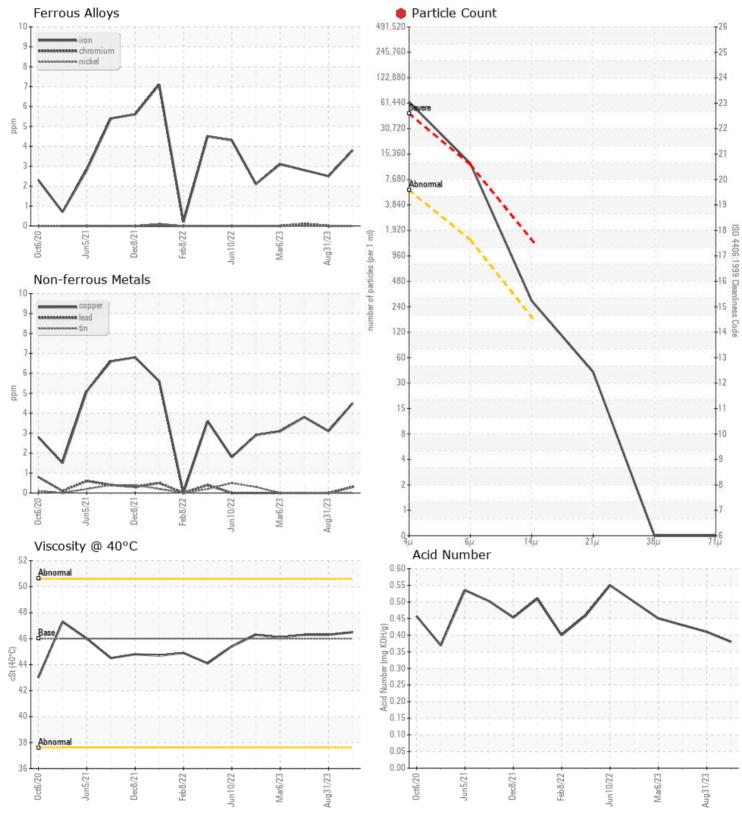
Contact/Location: BROTHER WHITAKER - WHIGUN

## **CONSTRUCTION EQUIPMENT**



🕖 GRAPHS

VOLVO



Report Id: WHIGUN [WUSCAR] 06009595 (Generated: 11/17/2023 11:47:24) Rev: 1

Contact/Location: BROTHER WHITAKER - WHIGUN