CONSTRUCTION EQUIPMENT SW0-067551 VOLVO EC300E 310346 - SWING DRIVE

Sample No:	VCP445734
Oil Type:	GEAR OIL SAE 90W140
Job No:	SWO-067551

## SAMPLE INFORMATION

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

VOLVO

SAMPLE I	NFORMATION						
Sample Number	-	VCP445734	VCP380803	VCP384129	VCP357756		
Sample Date		16 Nov 2023	16 Jan 2023	05 Oct 2022	25 Mar 2022		
Machine Hours		8510	7568	7067	6010		
Oil Hours		0	0	0	0		
Oil Changed		Changed	Not Changd	Changed	Changed		
Sample Status		SEVERE	SEVERE	SEVERE	ABNORMAL		
OIL CONDITION							
Visc @ 40°C	cSt	361	356	424	302		
VOLVO							
CONTAMI	NATION						
Water	%	<b>9</b> 3.78	<b>5</b> .93	11.2	▲ 0.600		
Silicon	ppm	<b>12</b>	5	7	5		
Sodium	ppm	3	<b></b> < 1	7	0		
Potassium	ppm	<b>□</b> <1	4	□ <1	1		
VOLVO							
WEAR ME	TALS						
Iron	ppm	55	32	73	69		
Copper	ppm	<b>4</b>	2	4	2		
Lead	ppm	0	2	<b></b> <1	<b></b> <1		
Tin	ppm	<b>■</b> <1	3	<1	0		
Aluminum	ppm	3	<1	2	<1		
Chromium	ppm	<b>□</b> <1	<b></b> <1	1	<1		
Molybdenum	ppm	<b>1</b>	3	2	4		
Nickel	ppm		□ <1	7	0		
Titanium	ppm	<1	<1	<1	0		
Silver	ppm	<1	0	0	<1		
Manganese	ppm	<b> </b> <1	<1	1	<1		
Vanadium	ppm	0	<1	<1	0		
VOLVO							
ADDITIVES							

119

30

98

947

128

0

70

13

53

786

0

90

58

24

56

952

172

0



## WHITAKER CONTRACTING

692 CONVICT CAMP RD
GUNTERSVILLE, AL
US 35976
Contact: BROTHER WHITAKER
BrotherWhitaker@whitaker-contracting.com
T: (256)298-3905
F:

## Diagnosis

We advise that you check for the source of water entry. The oil 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 high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.

Depot:	WHIGUN
Unique No:	10754572
Signed:	Jonathan Hester
Report Date:	27 Nov 2023

102

**15** 

74

0 🔲

143

1027

ppm

ppm

ppm

ppm

ppm

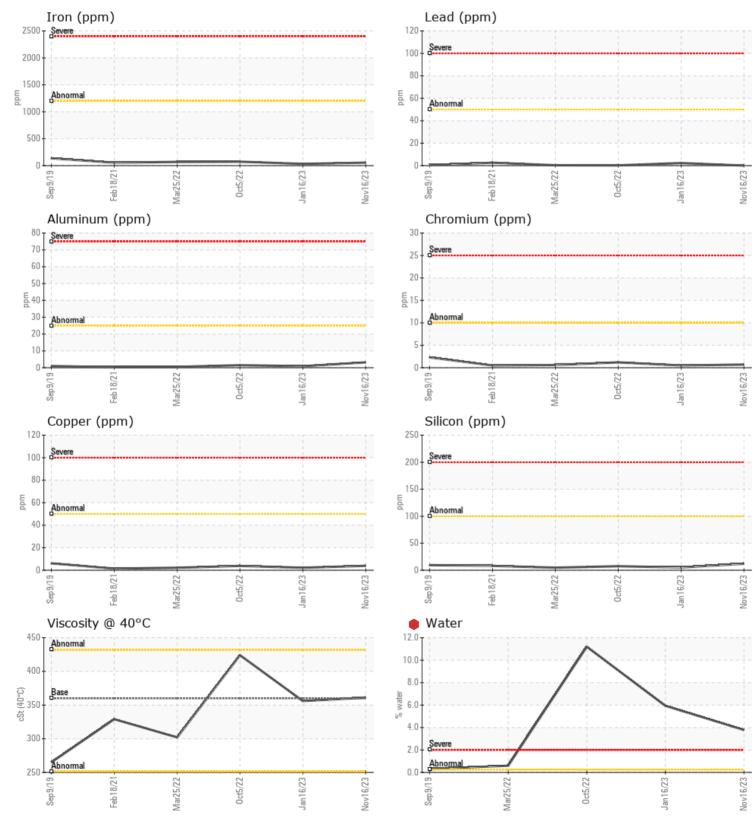
ppm

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: WHIGUN [WUSCAR] 06015428 (Generated: 11/27/2023 14:12:19) Rev: 1

Contact/Location: BROTHER WHITAKER - WHIGUN