10075 ENVIROVANTAGE VOLVO EC380E 314814 - REAR RIGHT FINAL DRIV

Sample No: VCP413933

ZOTAZ

Oil Type:	CHEVRON DELO GEAR ESI OIL 85W140
Job No:	10075 ENVIROVANTAGE

## SAMPLE INFORMATION

Zinc

Barium

Boron

Phosphorus

SAMPLE	INFORMATION				
Sample Number	-	VCP413933	VCP360329		
Sample Date		13 Dec 2023	18 Mar 2022		
Machine Hours		2128	607		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		SEVERE	ABNORMAL		
OIL CONE					
			<u>.</u>	-	-
Visc @ 40°C	cSt	289	178		
VOLVO					
CONTAM	INATION				
Water	%	NEG	NEG		
Silicon	ppm	1225	▲ 102		
Sodium	ppm	5	2		
Potassium	ppm	34	4		
Totassian	ppin				
VOLVO					
VEAR M	ETALS				
Iron	ppm	9331	135		
Copper	ppm	7	0		
Lead	ppm	<b>1</b>	0		
Tin	ppm	0	0		
Aluminum	ppm	<b>157</b>	<b>1</b> 29		
Chromium	ppm	<b>4</b> 1	5		
Molybdenum	ppm	5	< 1		
Nickel	ppm	<b>4</b>	0		
Titanium	ppm	18	2		
Silver	ppm	0	<1		
Manganese	ppm	32	3		
Vanadium	ppm	<1	0		
ADDITIV	ES				
Calcium	ppm	51	16		
Magnesium	ppm	25	3		

0

2

8

354



## MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE 4601 WASHINGTON BOULEVARD BALTIMORE, MD

US 21227 Contact: MARK CIULLA mciulla@mcclung-logan.com T: (410)242-6500 F: (410)242-7835

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VOLVO0150
Unique No:	10794919
Signed:	Jonathan Hester
Report Date:	21 Dec 2023

**10** 

823

11

84

ppm

ppm

ppm

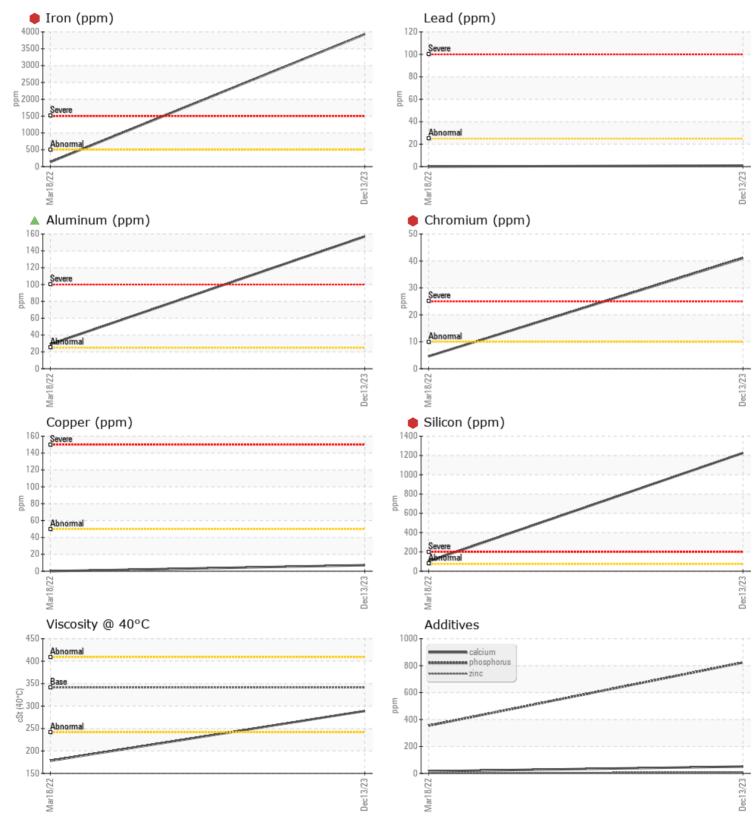
ppm

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0150 [WUSCAR] 06039690 (Generated: 12/21/2023 13:02:46) Rev: 1

Contact/Location: MARK CIULLA - VOLVO0150