# CONSTRUCTION EQUIPMENT SW0-068096 APAC/MIDS VOLVO EC480E 314549 - DIESEL ENGI

Sample No: VCP414710

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	SWO-068096 APAC/MIDS

## SAMPLE INFORMATION

Sample Number	-	VCP414710	VCP357144	 
Sample Date		08 Dec 2023	25 Mar 2022	 
Machine Hours		4060	1508	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	ATTENTION	 
OIL CONDI	τιον			
	-	- 12 5	110	-
Visc @ 100°C	cSt	12.5	<b>▲</b> 11.9	 
Base Number (BN)	mg KOH/g	9.5	8.7	 
Oxidation (PA)	%	83	79	 
CONTAMIN	IATION			
Water	%	NEG	NEG	 
Soot %	%		0.1	 
Nitration (PA)	%	61	75	 
Sulfation (PA)	%	60	62	 
Glycol	%	NEG	0.0	 
Fuel	%	<1.0	2.9	 
Silicon	ppm	7	5	 
Sodium	ppm	<b>1</b>	<b></b> <1	 
Potassium	ppm	2	0	 

## WEAR METALS

Iron	ppm	5	6	 
Copper	ppm	<b>1</b>	55	 
Lead	ppm	<b></b> <1	1	 
Tin	ppm	<b></b> <1	<1	 
Aluminum	ppm	<b>1</b>	1	 
Chromium	ppm		0	 
Molybdenum	ppm	<b>40</b>	41	 
Nickel	ppm	<b></b> <1	0	 
Titanium	ppm	<1	0	 
Silver	ppm	0	<1	 
Manganese	ppm	<b></b> <1	< 1	 
Vanadium	ppm	0	0	 

ADDITIVES					
Calcium	ppm	1587	1620		
Magnesium	ppm	<b>483</b>	599		
Zinc	ppm	904	980		
Phosphorus	ppm	<b>703</b>	891		
Barium	ppm	<b>11</b>	0		
Boron	ppm	39	31		



#### COWIN EQUIPMENT COMPANY INC

1501 HWY 78 EAST OXFORD, AL US 36203 Contact: STEVE CAMPBELL stcampbell@cowin.com T: (256)832-5053 F: (256)831-4295

## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 COWOXF

 Unique No:
 10782878

 Signed:
 Wes Davis

 Report Date:
 14 Dec 2023

Report Id: COWOXF [WUSCAR] 06033087 (Generated: 12/14/2023 10:30:34) Rev: 1

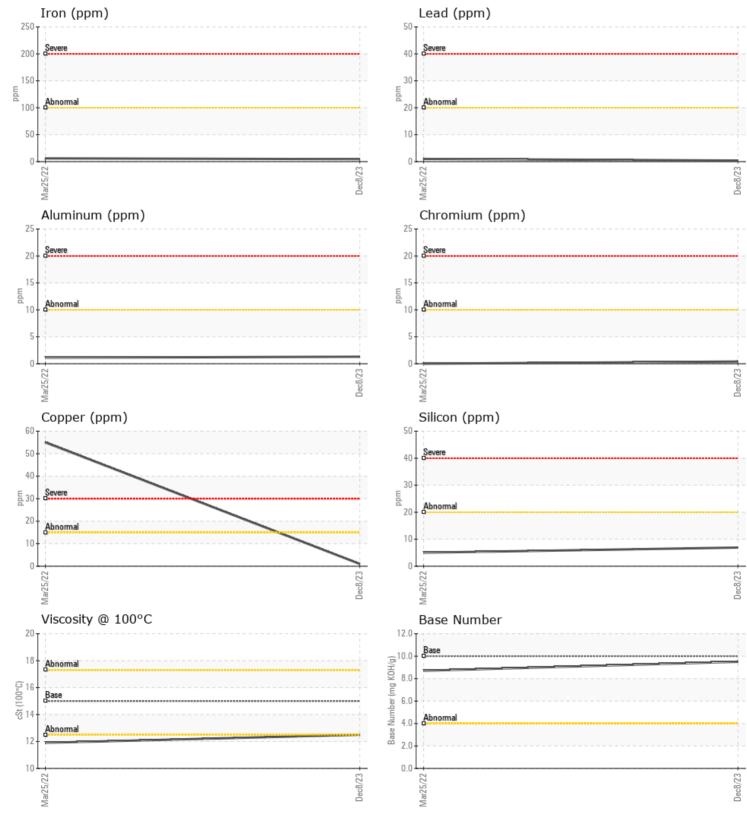
Contact/Location: STEVE CAMPBELL - COWOXF

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: STEVE CAMPBELL - COWOXF