**CONSTRUCTION EQUIPMENT** VOLVO EC220E 310730 - FRONT RIGHT FINAL DRIVE SVC053895

Sample No: VCP437547 **Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5 Job No: SVC053895

VOLVO

VOLVO									
	NFORMATION								
Sample Number	-	VCP437547							
Sample Date		30 Apr 2024							
Machine Hours		2333							
Oil Hours		0							
Oil Changed		N/A							
Sample Status		SEVERE							
OIL CONDITION									
Visc @ 40°C	cSt	<b>A</b> 1309							
CONTAMI	NATION								
Water	%	<b>0.320</b>							
Silicon	ppm	<b>4</b> 342							
Sodium	ppm	284							
Potassium	ppm	307							

WEAR METALS								
Iron	ppm	<b>6542</b>						
Copper	ppm	<b>10</b>						
Lead	ppm	<b>4</b>						
Tin	ppm	3						
Aluminum	ppm	1007						
Chromium	ppm	<b>4</b> 2						
Molybdenum	ppm	5						
Nickel	ppm	<b>A</b> 30						
Titanium	ppm	<b>6</b> 3						
Silver	ppm	<1						
Manganese	ppm	<b>4</b> 9						
Vanadium	ppm	2						

**ADDITIVES** Calcium 256 ppm 109 Magnesium ppm Zinc ppm 23 Phosphorus 974 ppm Barium 18 ppm Boron 120 ppm

## **TYLER EQUIPMENT CORPORATION**

**1980 BERLIN TURNPIKE** BERLIN, CT US 06037 Contact: KYLE SCHMITZ kschmitz@tylerequipment.com T: (860)356-0840 F: (860)828-6727

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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. There is a light concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

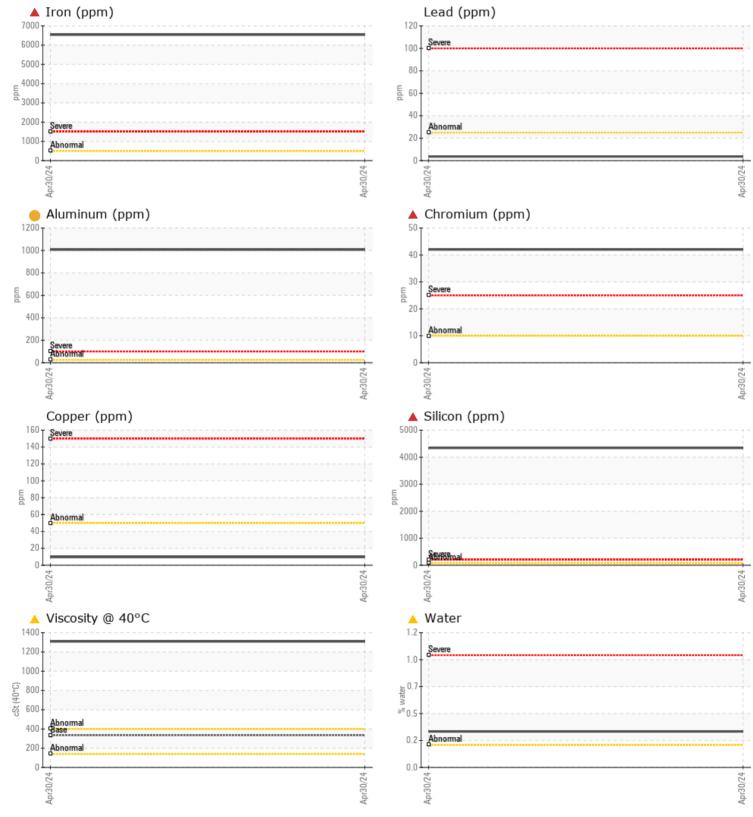
Depot: VOLVO0005 Unique No: 11016387 Signed: Jonathan Hester Report Date: 08 May 2024 Contact/Location: KYLE SCHMITZ - VOLVO0005

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: KYLE SCHMITZ - VOLVO0005