CONSTRUCTION EQUIPMENT JMX 8-399841 VOLVO EC480E 314570 - REAR LEFT FINAL DRIVE

Sample No:	VCP394316			
Oil Type:	GEAR OIL LS 80W90			
Job No <sup>.</sup>	8-399841			

## SAMPLE INFORMATION

VOLVO

	: INFURMATIU			
Sample Number	-	VCP394316	VCP352044	 
Sample Date		05 Apr 2024	04 Nov 2022	 
Machine Hours		4040	2020	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		ABNORMAL	NORMAL	 
OIL CON	DITION			
Visc @ 40°C	cSt	71.5	177	 
CONTAN	AINATION			
Water	%	NEG	NEG	 
Silicon	ppm	334	54	 
Sodium	ppm	9	2	 
Potassium	ppm	27	4	 
WEAR N	METALS			
PQ		518	460	 
Iron	ppm	<b>A</b> 3367	515	 
Copper	ppm	7	<b></b> < 1	 
Lead	ppm	0	0	 
Tin	ppm	0	0	 
Aluminum	ppm	80	11	 
Chromium	ppm	28	6	 
Molybdenum	ppm	2	<1	 
Nickel	ppm	<b>1</b>	< 1	 
Titanium	ppm	5	<1	 
Silver	ppm	0	0	 
Manganese	ppm	30	6	 
Vanadium	ppm	0	0	 
	<i>IFC</i>			

## ADDITIVES 24 151 Calcium ppm Magnesium 53 6 ppm Zinc 29 6 ppm 113 Phosphorus ppm 1619 Barium 0 🔲 < 1 ppm 128 Boron ppm 1



STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD MISSISSAUGA, ON CA L4W 4L4 Contact: Janice Cripps jcripps@strongco.com T: (905)565-3876 F: (905)670-2338

## Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

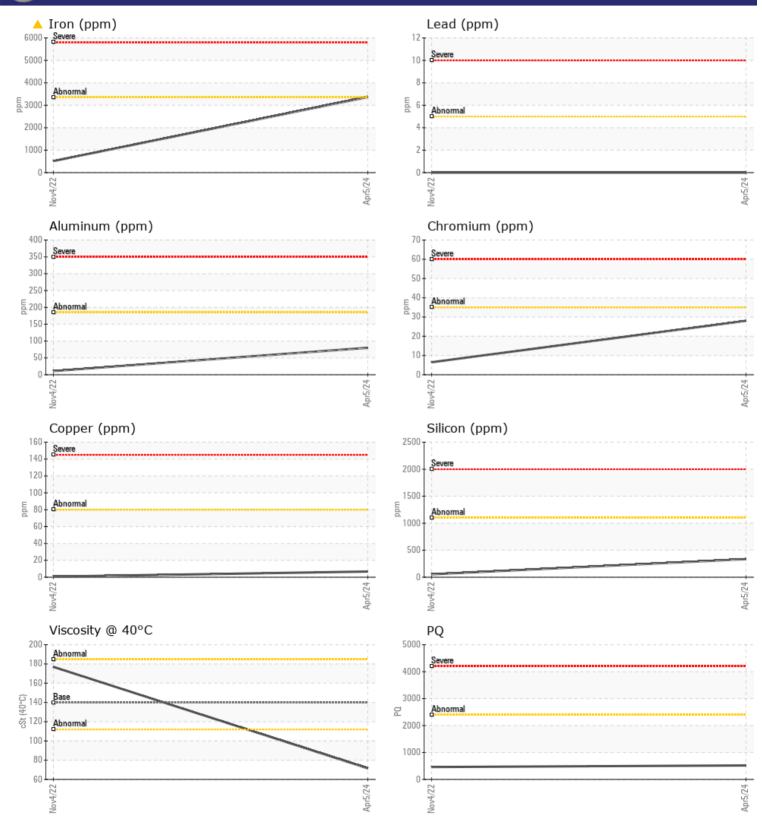
Depot:SHEMISUnique No:5761110Signed:Kevin MarsonReport Date:10 Apr 2024Contact/Location:Janice Cripps - SHEMIS

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: Janice Cripps - SHEMIS Page 2 of 2