CONSTRUCTION EQUIPMENT SW1027121 UPULL/PAY VOLVO EC220EL 310461 - REAR LEFT FI

 Sample No:
 VCE197707

 Oil Type:
 GEAR OIL SAE 80W90

 Job No:
 SW1027121 UPULL/PAY

## SAMPLE INFORMATION

VOLVO

Sample Number	-	VCE197707	VCP220053							
Sample Date		19 Dec 2023	16 Apr 2019							
Machine Hours		6369	2188							
Oil Hours		0	0							
Oil Changed		Changed	Not Changd							
Sample Status		ABNORMAL	ATTENTION							
OIL CONDITION										
Visc @ 40°C	cSt	▲ 56.0	212.6							
CONTAMI	NATION									
Water	%	NEG	0.108							
Silicon	ppm	6	6							
Sodium	ppm	0	< 1							
Potassium	ppm		26							
WEAR METALS										
Iron	ppm	<b>4</b> 959	32							
Copper	ppm	∎1	<b></b> <1							
Lead	ppm	<b></b> <1	0							
Tin	ppm	0	0							
Aluminum	ppm	2	<b></b> <1							
Chromium	ppm	<b>9</b>	<b></b> <1							
Molybdenum	ppm	1	<1							
Nickel	ppm	■<1	<1							
Titanium	ppm	<1	0							
Silver	ppm	0	<1							
Manganese	ppm	6	<1							
Vanadium	ppm	0	<1							



ADDITIVES									
Calcium	ppm	5	48						
Magnesium	ppm	<b>1</b> 4	4						
Zinc	ppm	30	28						
Phosphorus	ppm	2125	723						
Barium	ppm	<b>10</b>	<1						
Boron	ppm	83	113						



## ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

 Depot:
 VOLVO6174

 Unique No:
 10807691

 Signed:
 Don Baldridge

 Report Date:
 29 Dec 2023

Contact/Location: RANDY PRZEKURAT - VOLVO6174

## **CONSTRUCTION EQUIPMENT**

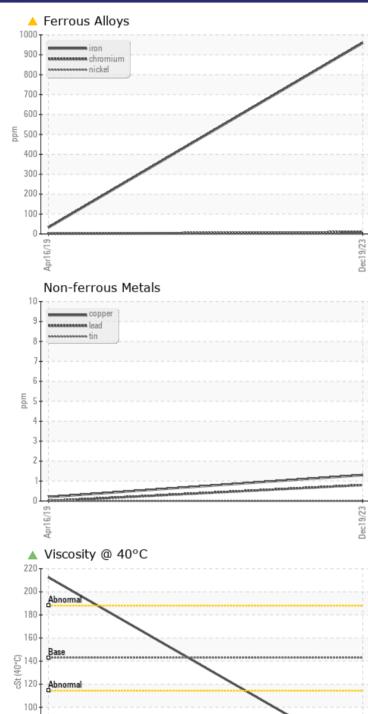


GRAPHS

80 60 40

Apr16/19

VOLVO



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