



# CONSTRUCTION EQUIPMENT

SW1019028 PERKINS VOLVO EC550E 310081 - LEFT SWING DRIVE



**Sample No:** VCP406917  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1019028 PERKINS



## SAMPLE INFORMATION

Sample Number	VCP406917	---	---	---
Sample Date	19 May 2023	---	---	---
Machine Hours	560	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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



## OIL CONDITION

Visc @ 40°C	cSt	█ 175	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 88	---	---	---
Copper	ppm	▲ 123	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 5	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 78	---	---	---
Phosphorus	ppm	█ 354	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	<1	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 10493990  
**Signed:** Jonathan Hester  
**Report Date:** 01 Jun 2023



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## GRAPHS

