



CONSTRUCTION EQUIPMENT

SW1019028 PERKINS VOLVO EC550E 310081 - RIGHT SWING DRIVE



Sample No: VCP406910
Oil Type: GEAR OIL SAE 80W90
Job No: SW1019028 PERKINS



SAMPLE INFORMATION

Sample Number	VCP406910	---	---	---
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	█ 176	---	---	---
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CONTAMINATION

Silicon	ppm	█ 19	---	---	---
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	█ 101	---	---	---
Copper	ppm	▲ 132	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 83	---	---	---
Phosphorus	ppm	█ 360	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VOLVO6174
Unique No: 10493999
Signed: Jonathan Hester
Report Date: 01 Jun 2023



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GRAPHS

