



CONSTRUCTION EQUIPMENT

SW0069093 LANGFORD VOLVO EC480 3 14992 - SWING DRIVE



Sample No: VCP436695
Oil Type: {unknown}
Job No: SW0069093 LANGFORD



COWIN EQUIPMENT COMPANY INC - GUNTSVILLE
15101 ALABAMA HWY 20
MADISON, AL
US 35756
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SAMPLE INFORMATION

Sample Number	VCP436695	VCP437803	---	---
Sample Date	19 Jan 2024	19 Jan 2024	---	---
Machine Hours	2030	2030	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	173	166	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	22	14	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	490	446	---	---
Copper	ppm	85	54	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	6	4	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	9	7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	11	6	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	55	91	---	---
Phosphorus	ppm	277	261	---	---
Barium	ppm	11	10	---	---
Boron	ppm	0	0	---	---

Diagnosis

Resample at the next service interval to monitor. All 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.

Depot: COWMAD
Unique No: 10869494
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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GRAPHS

