



CONSTRUCTION EQUIPMENT

413706 ALL COUNTY VOLVO EC140E 314542 - REAR RIGHT FINAL DRIVE



Sample No: VCP440368
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 413706 ALL COUNTY



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
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SAMPLE INFORMATION

Sample Number	VCP440368	VCP427182	---	---
Sample Date	13 Nov 2023	27 Jun 2023	---	---
Machine Hours	2892	2063	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 266	█ 137	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 11	█ 53	---	---
Sodium	ppm	█ 0	█ 6	---	---
Potassium	ppm	█ 2	█ 3	---	---



WEAR METALS

Iron	ppm	█ 390	▲ 1201	---	---
Copper	ppm	█ 1	█ 4	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	▲ 16	▲ 73	---	---
Aluminum	ppm	█ 1	█ 5	---	---
Chromium	ppm	█ 5	▲ 22	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 1	6	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 4	█ 21	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 47	█ 47	---	---
Magnesium	ppm	█ 10	█ 1	---	---
Zinc	ppm	42	█ 45	---	---
Phosphorus	ppm	█ 870	█ 384	---	---
Barium	ppm	█ <1	█ <1	---	---
Boron	ppm	█ 114	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level has decreased, but is still 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.

Depot: VOLVO0093
Unique No: 10750320
Signed: Sean Felton
Report Date: 21 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

