



CONSTRUCTION EQUIPMENT

729177 MOSAIC VOLVO EC380 315267 - REAR LEFT FINAL DRIVE



Sample No: VCP443968
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 729177 MOSAIC



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

Sample Number	VCP443968	VCP408642	---	---
Sample Date	13 Jun 2024	10 May 2023	---	---
Machine Hours	1033	496	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 145	█ 151	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 35	█ 10	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 2	█ 1	---	---



WEAR METALS

Iron	ppm	█ 298	█ 158	---	---
Copper	ppm	█ 3	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 3	█ 0	---	---
Chromium	ppm	▲ 11	█ 5	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 5	█ 4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 64	█ 15	---	---
Magnesium	ppm	█ 4	█ <1	---	---
Zinc	ppm	█ 37	█ 9	---	---
Phosphorus	ppm	█ 308	█ 286	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 3	█ 0	---	---

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. The chromium 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.

Depot: VOLVO0093
Unique No: 11127041
Signed: Sean Felton
Report Date: 18 Jul 2024



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GRAPHS

