



CONSTRUCTION EQUIPMENT

567884 MOSAIC VOLVO EC380EL 3 14879 - SWING DRIVE



Sample No: VCP418307
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 567884 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
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SAMPLE INFORMATION

Sample Number	VCP418307	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	1116	---	---	---
Oil Hours	1116	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 186	---	---	---
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CONTAMINATION

Water	%	▲ 0.200	---	---	---
Silicon	ppm	█ 27	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	● 2722	---	---	---
Copper	ppm	█ 46	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	▲ 22	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 24	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 64	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 58	---	---	---
Phosphorus	ppm	█ 394	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is hazy. There is a light concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0093
Unique No: 10574672
Signed: Jonathan Hester
Report Date: 31 Jul 2023



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GRAPHS

