



CONSTRUCTION EQUIPMENT

SWA005801-10 VOLVO EC480E 314392 - LEFT TRACK DRIVE



Sample No: VCP359721
Oil Type: GEAR OIL SAE 80W90
Job No: SWA005801-10



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP359721	---	---	---
Sample Date	29 Jul 2022	---	---	---
Machine Hours	2928	---	---	---
Oil Hours	371	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 91.2	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 298	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	▲ 2128	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 39	---	---	---
Chromium	ppm	■ 23	---	---	---
Molybdenum	ppm	■ 13	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1040	---	---	---
Magnesium	ppm	■ 63	---	---	---
Zinc	ppm	■ 422	---	---	---
Phosphorus	ppm	■ 597	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 44	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. 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. Moderate concentration of visible metal present. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10076546
Signed: Don Baldrige
Report Date: 04 Aug 2022



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GRAPHS

