



CONSTRUCTION EQUIPMENT

23629 VOLVO EC380EL 314027 - REAR RIGHT FINAL DRIVE



Sample No: VCP420880
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23629



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP420880	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	6393	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 44.1	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 400	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 6	---	---	---



WEAR METALS

Iron	ppm	◆ 1690	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 60	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1317	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 492	---	---	---
Phosphorus	ppm	■ 853	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 105	---	---	---

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. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3387
Unique No: 10563008
Signed: Don Baldrige
Report Date: 20 Jul 2023



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GRAPHS

