



CONSTRUCTION EQUIPMENT

25460 VOLVO EC380 315773 - REAR RIGHT FINAL DRIVE



Sample No: VCP454350
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25460



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
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SAMPLE INFORMATION

Sample Number	VCP454350	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	589	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 177	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 138	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	▲ 662	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 16	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 21	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 7	---	---	---
Phosphorus	ppm	■ 168	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 3	---	---	---

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. Resample at the next service interval to monitor. The iron level is abnormal. All other metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is higher than normal. Confirm oil type.

Depot: VOLVO3387
Unique No: 10991836
Signed: Don Baldrige
Report Date: 24 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

