



CONSTRUCTION EQUIPMENT

23956 VOLVO EC380EL 314090 - REAR RIGHT FINAL DRIVE



Sample No: VCP430767
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23956



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
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SAMPLE INFORMATION

Sample Number	VCP430767	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	3560	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 74.2	---	---	---
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CONTAMINATION

Silicon	ppm	■ 34	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	▲ 661	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 13	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 24	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 16	---	---	---
Phosphorus	ppm	■ 1858	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 105	---	---	---

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. Gear wear is indicated. 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: VOLVO3387
Unique No: 10622860
Signed: Don Baldrige
Report Date: 30 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

