



CONSTRUCTION EQUIPMENT

24534 VOLVO EC220E 315233 - REAR LEFT FINAL DRIVE



Sample No: VCP429278
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 24534



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

Sample Number	VCP429278	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	612	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 178	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 23	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 14	---	---	---



WEAR METALS

Iron	ppm	■ 321	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	▲ 20	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	▲ 11	---	---	---
Phosphorus	ppm	▲ 281	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	▲ 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO3387
Unique No: 10777988
Signed: Don Baldrige
Report Date: 10 Dec 2023



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GRAPHS

