



CONSTRUCTION EQUIPMENT

24208 VOLVO A25G 740316 - BOGIE/CENTER AXLE



Sample No: VCP434437
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 24208



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

Sample Number	VCP434437	VCP271066	VCP236033	---
Sample Date	17 Oct 2023	25 Mar 2020	03 Jan 2019	---
Machine Hours	4168	2090	1028	---
Oil Hours	1000	2090	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	52.5	█ 158	▲ 51.25	---
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CONTAMINATION

Silicon	ppm	█ <1	█ 2	█ 2	---
Sodium	ppm	█ 0	█ 1	█ 2	---
Potassium	ppm	█ 1	█ 0	█ 0	---



WEAR METALS

Iron	ppm	█ 40	█ 182	█ 209	---
Copper	ppm	█ 6	█ 20	█ 28	---
Lead	ppm	█ <1	█ 2	█ <1	---
Tin	ppm	█ <1	█ 0	█ 1	---
Aluminum	ppm	█ 2	█ <1	█ <1	---
Chromium	ppm	█ <1	█ 3	█ 4	---
Molybdenum	ppm	█ 4	█ 8	█ 5	---
Nickel	ppm	█ <1	█ 2	█ 3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	█ <1	█ 5	█ 10	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	█ 46	█ 108	█ 19	---
Magnesium	ppm	█ 26	█ 41	█ 0	---
Zinc	ppm	█ 66	█ 83	█ 11	---
Phosphorus	ppm	█ 2176	1220	█ 2354	---
Barium	ppm	█ 0	█ <1	█ 0	---
Boron	ppm	█ 290	█ 155	█ 231	---

Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO3387
Unique No: 10709635
Signed: Sean Felton
Report Date: 25 Oct 2023



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GRAPHS

