



CONSTRUCTION EQUIPMENT

337099-10 VOLVO A45GFS 342487 - BOGIE/CENTER AXLE



Sample No: VCP414261
Oil Type: VOLVO API GL-5 SAE 75W90
Job No: 337099-10



SAMPLE INFORMATION

Sample Number	VCP414261	VCP375885	VCP357680	---
Sample Date	07 Sep 2023	30 Aug 2022	22 Mar 2022	---
Machine Hours	9611	6561	6140	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA CONSTRUCTION EQUIPMENT
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T:
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OIL CONDITION

Visc @ 40°C	cSt	142	142	42.7	---
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CONTAMINATION

Silicon	ppm	4	2	12	---
Sodium	ppm	2	0	6	---
Potassium	ppm	2	<1	3	---

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.



WEAR METALS

Iron	ppm	80	24	38	---
Copper	ppm	2	<1	<1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	1	<1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	3	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	191	198	4185	---
Magnesium	ppm	4	5	14	---
Zinc	ppm	90	91	1601	---
Phosphorus	ppm	1457	1741	1412	---
Barium	ppm	0	0	0	---
Boron	ppm	97	115	160	---

Depot: VOLVO5055
Unique No: 10645546
Signed: Don Baldrige
Report Date: 15 Sep 2023



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GRAPHS

