



CONSTRUCTION EQUIPMENT

337099-10 VOLVO A45GFS 342487 - FRONT AXLE



Sample No: VCP414266
Oil Type: VOLVO API GL-5 SAE 75W90
Job No: 337099-10



SAMPLE INFORMATION

Sample Number	VCP414266	VCP358102	VCP357645	---
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	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	147	140	133	---
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CONTAMINATION

Silicon	ppm	8	2	4	---
Sodium	ppm	2	0	0	---
Potassium	ppm	2	<1	2	---

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	267	18	64	---
Copper	ppm	2	<1	<1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	1	0	---
Chromium	ppm	2	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	7	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	67	212	212	---
Magnesium	ppm	4	3	<1	---
Zinc	ppm	40	92	88	---
Phosphorus	ppm	1421	1729	2053	---
Barium	ppm	0	0	0	---
Boron	ppm	107	114	198	---

Depot: VOLVO5055
Unique No: 10645547
Signed: Don Baldrige
Report Date: 15 Sep 2023



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GRAPHS

