



CONSTRUCTION EQUIPMENT

487803 VOLVO 480 315 167 - LEFT FINAL DRIVE



Sample No: VCP454101
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 487803



SAMPLE INFORMATION

Sample Number	VCP454101	VCP428723	VCP415602	---
Sample Date	16 Feb 2024	19 Dec 2023	01 Jun 2023	---
Machine Hours	2238	1494	514	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	154	150	153	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	50	17	10	---
Sodium	ppm	0	4	3	---
Potassium	ppm	2	1	<1	---

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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	718	631	301	---
Copper	ppm	1	1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	12	11	5	---
Molybdenum	ppm	1	1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	8	8	5	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	34	14	34	---
Magnesium	ppm	1	0	0	---
Zinc	ppm	9	7	3	---
Phosphorus	ppm	235	334	316	---
Barium	ppm	2	2	0	---
Boron	ppm	<1	12	<1	---

Depot: VOLVO0096
Unique No: 10888733
Signed: Sean Felton
Report Date: 23 Feb 2024



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VOLVO GRAPHS

