



CONSTRUCTION EQUIPMENT

487803 VOLVO 480 315167 - RIGHT SWING DRIVE



Sample No: VCP454006
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 487803



SAMPLE INFORMATION

Sample Number	VCP454006	VCP428729	VCP415606	---
Sample Date	16 Feb 2024	19 Dec 2023	01 Jun 2023	---
Machine Hours	2238	1494	518	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	184	185	157	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	37	21	19	---
Sodium	ppm	0	<1	2	---
Potassium	ppm	2	0	0	---

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	175	112	117	---
Copper	ppm	44	25	33	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	2	2	1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	3	3	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	8	4	8	---
Magnesium	ppm	1	0	1	---
Zinc	ppm	32	20	14	---
Phosphorus	ppm	632	500	313	---
Barium	ppm	6	1	0	---
Boron	ppm	57	37	0	---

Depot: VOLVO0096
Unique No: 10888730
Signed: Sean Felton
Report Date: 23 Feb 2024



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GRAPHS

