



CONSTRUCTION EQUIPMENT

SWO-072114 APAC VOLVO EC480E 314549 - LEFT SWING DRIVE



Sample No: VCP453741
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-072114 APAC



SAMPLE INFORMATION

Sample Number	VCP453741	VCP435542	---	---
Sample Date	22 May 2024	08 Dec 2023	---	---
Machine Hours	4555	4060	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	287	317	---	---
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CONTAMINATION

Water	%	▲ 1.30	▲ 1.05	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	2	1	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	37	110	---	---
Copper	ppm	1	4	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	9	3	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	134	81	---	---
Magnesium	ppm	51	25	---	---
Zinc	ppm	134	83	---	---
Phosphorus	ppm	907	1048	---	---
Barium	ppm	0	0	---	---
Boron	ppm	134	131	---	---

Depot: COWOXF
Unique No: 11047539
Signed: Sean Felton
Report Date: 29 May 2024



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GRAPHS

