



CONSTRUCTION EQUIPMENT

3040 VOLVO EC220EL 314928 - SWING DRIVE



Sample No: VCP385010
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3040



SAMPLE INFORMATION

Sample Number	VCP385010	VCP403833	---	---
Sample Date	28 Nov 2023	25 Apr 2023	---	---
Machine Hours	1040	510	---	---
Oil Hours	0	500	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

LEONARDS CONTRACTING

30850 STEPHENSON HWY
MADISON HEIGHTS, MI
US 48071
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OIL CONDITION

Visc @ 40°C	cSt	169	169	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	8	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	93	94	---	---
Copper	ppm	11	11	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	0	6	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	0	9	---	---
Phosphorus	ppm	294	367	---	---
Barium	ppm	0	2	---	---
Boron	ppm	0	0	---	---

Depot: LEOMAD
Unique No: 10792276
Signed: Sean Felton
Report Date: 20 Dec 2023



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GRAPHS

