



CONSTRUCTION EQUIPMENT

3017 VOLVO EC380EL 310195 - SWING DRIVE



Sample No: VCP382949
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3017



SAMPLE INFORMATION

Sample Number	VCP382949	VCP241346	---	---
Sample Date	04 Jan 2024	28 Mar 2019	---	---
Machine Hours	5715	1690	---	---
Oil Hours	0	500	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
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OIL CONDITION

Visc @ 40°C	cSt	199	182.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	31	30	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	2	6	---	---

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	187	196	---	---
Copper	ppm	12	52	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	5	9	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	8	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	11	1	---	---
Magnesium	ppm	1	0	---	---
Zinc	ppm	17	33	---	---
Phosphorus	ppm	1589	457	---	---
Barium	ppm	0	0	---	---
Boron	ppm	133	55	---	---

Depot: LEOMAD
Unique No: 10847423
Signed: Don Baldrige
Report Date: 28 Jan 2024



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GRAPHS

