



CONSTRUCTION EQUIPMENT

VOLVO EC380EL 310195 - SWING DRIVE



Sample No: VCP433662
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP433662	VCP382949	VCP241346	---
Sample Date	14 Jun 2024	04 Jan 2024	28 Mar 2019	---
Machine Hours	6300	5715	1690	---
Oil Hours	0	0	500	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
 Contact: LARRY SCHRADE
 larry.schrade@sdevelop.com
 T: (810)499-1953
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	189	199	182.4	---
-------------	-----	------------	-----	-------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	26	31	30	---
Sodium	ppm	2	1	<1	---
Potassium	ppm	2	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	158	187	196	---
Copper	ppm	12	12	52	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	2	---
Aluminum	ppm	<1	2	<1	---
Chromium	ppm	4	5	9	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	8	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	9	11	1	---
Magnesium	ppm	0	1	0	---
Zinc	ppm	21	17	33	---
Phosphorus	ppm	1515	1589	457	---
Barium	ppm	0	0	0	---
Boron	ppm	131	133	55	---

Depot: LEOMAD
Unique No: 11087942
Signed: Sean Felton
Report Date: 21 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

