



CONSTRUCTION EQUIPMENT

511170-10 VOLVO EC300E 314225 - SWING DRIVE



Sample No: VCP431673
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 511170-10



SAMPLE INFORMATION

Sample Number	VCP431673	VCP405616	VCP397113	---
Sample Date	18 Mar 2024	07 Sep 2023	19 Jun 2023	---
Machine Hours	5921	4869	4288	---
Oil Hours	1000	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	142	175	176	---
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T:
F:



CONTAMINATION

Water	%	NEG	▲ 0.290	▲ 1.79	---
Silicon	ppm	5	16	18	---
Sodium	ppm	0	2	0	---
Potassium	ppm	2	2	2	---

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	475	▲ 1347	▲ 1455	---
Copper	ppm	22	50	46	---
Lead	ppm	1	0	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	3	4	4	---
Chromium	ppm	6	▲ 16	▲ 17	---
Molybdenum	ppm	2	3	3	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	15	16	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	116	68	9	---
Magnesium	ppm	2	0	0	---
Zinc	ppm	67	16	25	---
Phosphorus	ppm	1125	291	332	---
Barium	ppm	2	0	0	---
Boron	ppm	193	<1	0	---

Depot: DENHIL
Unique No: 10942422
Signed: Jonathan Hester
Report Date: 28 Mar 2024



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GRAPHS

