



CONSTRUCTION EQUIPMENT

SWA350844-10 VOLVO EC300E 314225 - SWING DRIVE



Sample No: VCP405616
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SWA350844-10



SAMPLE INFORMATION

Sample Number	VCP405616	VCP397113	---	---
Sample Date	07 Sep 2023	19 Jun 2023	---	---
Machine Hours	4869	4288	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

DENALI WE CARE

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



OIL CONDITION

Visc @ 40°C	cSt	175	176	---	---
-------------	-----	------------	-----	-----	-----

T:
 F:



CONTAMINATION

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

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	68	9	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	16	25	---	---
Phosphorus	ppm	291	332	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: DENHIL
Unique No: 10655627
Signed: Sean Felton
Report Date: 20 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

