



CONSTRUCTION EQUIPMENT

386577 VOLVO EC300E 312753 - REAR RIGHT FINAL DRIVE



Sample No: VCP394114
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 386577



Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
 Contact: Matt Crisci
 mcrisci@strongco.com
 T: (519)744-3518
 F: (519)744-3284



SAMPLE INFORMATION

Sample Number	VCP394114	VCP273625	VCP242976	---
Sample Date	02 Dec 2023	01 Nov 2020	01 Sep 2019	---
Machine Hours	9900	4000	2200	---
Oil Hours	2000	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	141	139	143	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	12	5	---
Sodium	ppm	3	2	0	---
Potassium	ppm	1	2	2	---



WEAR METALS

Iron	ppm	65	78	78	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	2	<1	---
Chromium	ppm	5	6	2	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	<1	1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	20	60	162	---
Magnesium	ppm	3	2	1	---
Zinc	ppm	7	24	13	---
Phosphorus	ppm	1001	987	832	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	185	149	117	---

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.

Depot: CASKIT
Unique No: 5696019
Signed: Wes Davis
Report Date: 13 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

