



CONSTRUCTION EQUIPMENT

3676BS VOLVO EC160EL 310364 - REAR LEFT FINAL DRIVE



Sample No: VCP412322
Oil Type: CHEVRON MULTIGEAR EP5 80W90
Job No: 3676BS



SAMPLE INFORMATION

Sample Number	VCP412322	VCP384732	VCP323990	---
Sample Date	26 Jun 2023	13 Jun 2023	25 Mar 2022	---
Machine Hours	4068	4000	3000	---
Oil Hours	0	1000	1000	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	SEVERE	SEVERE	---

DH FUNK AND SONS LLC
 3995 CONTINENTAL DRIVE
 COLUMBIA, PA
 US 17512
 Contact: GARY SHEPHERD
 GSHEPHERD@DHFUNK.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	120	129	118	---
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CONTAMINATION

Water	%	---	0.120	---	---
Silicon	ppm	32	621	994	---
Sodium	ppm	0	6	10	---
Potassium	ppm	3	57	109	---

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	131	1400	2228	---
Copper	ppm	1	2	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	4	144	120	---
Chromium	ppm	<1	6	10	---
Molybdenum	ppm	2	5	6	---
Nickel	ppm	<1	4	4	---
Titanium	ppm	<1	11	19	---
Silver	ppm	0	0	2	---
Manganese	ppm	<1	10	15	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	42	137	553	---
Magnesium	ppm	16	55	268	---
Zinc	ppm	54	51	197	---
Phosphorus	ppm	474	920	962	---
Barium	ppm	0	0	0	---
Boron	ppm	51	148	134	---

Depot: DHFCOL
Unique No: 10537458
Signed: Don Baldrige
Report Date: 03 Jul 2023



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GRAPHS

