



CONSTRUCTION EQUIPMENT

SPM595205 VOLVO EC160D 2 10090 - SWING DRIVE



Sample No: VCP415463
Oil Type: GEAR OIL SAE 80W90
Job No: SPM595205



SAMPLE INFORMATION

Sample Number	VCP415463	VCP422726	VCP373884	---
Sample Date	28 Aug 2023	26 Apr 2023	10 Jun 2022	---
Machine Hours	8565	7910	6016	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

CALUMET CITY AUTO WRECKERS
630 E STATE ST
CALUMET CITY, IL
US 60409
Contact: GARY



OIL CONDITION

Visc @ 40°C	cSt	232	239	222	---
-------------	-----	------------	-----	-----	-----

T: (815)600-9027
F:



CONTAMINATION

Silicon	ppm	54	45	20	---
Sodium	ppm	0	1	<1	---
Potassium	ppm	6	4	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	336	247	4	---
Copper	ppm	12	5	<1	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	3	4	2	---
Chromium	ppm	2	2	0	---
Molybdenum	ppm	<1	<1	2	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	3	2	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	38	31	2295	---
Magnesium	ppm	5	4	33	---
Zinc	ppm	46	28	869	---
Phosphorus	ppm	921	907	717	---
Barium	ppm	2	0	<1	---
Boron	ppm	57	63	12	---

Depot: CALCALIL
Unique No: 10633240
Signed: Wes Davis
Report Date: 06 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

