



CONSTRUCTION EQUIPMENT

SPM716819 VOLVO EC160D 210090 - SWING DRIVE



Sample No: VCP446754
Oil Type: GEAR OIL SAE 80W90
Job No: SPM716819



SAMPLE INFORMATION

Sample Number	VCP446754	VCP415463	VCP422726	VCP373884
Sample Date	24 May 2024	28 Aug 2023	26 Apr 2023	10 Jun 2022
Machine Hours	9689	8565	7910	6016
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	178	232	239	222
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T: (815)600-9027
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	54	54	45	20
Sodium	ppm	1	0	1	<1
Potassium	ppm	17	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	488	336	247	4
Copper	ppm	15	12	5	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	4	3	4	2
Chromium	ppm	4	2	2	0
Molybdenum	ppm	5	<1	<1	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	1	<1	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	4	3	2	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	114	38	31	2295
Magnesium	ppm	63	5	4	33
Zinc	ppm	176	46	28	869
Phosphorus	ppm	850	921	907	717
Barium	ppm	1	2	0	<1
Boron	ppm	39	57	63	12

Depot: CALCALIL
Unique No: 11085057
Signed: Wes Davis
Report Date: 19 Jun 2024



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GRAPHS

