



CONSTRUCTION EQUIPMENT

SPM635014 VOLVO EC160D 2 10090 - RIGHT FINAL DRIVE



Sample No: VCP429878
Oil Type: GEAR OIL SAE 80W90
Job No: SPM635014



SAMPLE INFORMATION

Sample Number	VCP429878	VCP415163	VCP422727	VCP404352
Sample Date	29 Nov 2023	28 Aug 2023	26 Apr 2023	10 Jan 2023
Machine Hours	9128	8565	7910	7275
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	MARGINAL

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



OIL CONDITION

Visc @ 40°C	cSt	157	151	194	195
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T: (815)600-9027
 F:



CONTAMINATION

Water	%	NEG	NEG	0.154	0.225
Silicon	ppm	14	9	42	41
Sodium	ppm	2	0	2	2
Potassium	ppm	9	1	2	1

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	55	53	187	184
Copper	ppm	<1	<1	0	1
Lead	ppm	<1	<1	0	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	<1	5	4
Chromium	ppm	1	1	6	6
Molybdenum	ppm	<1	<1	2	2
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	674	416	2228	2119
Magnesium	ppm	17	5	33	32
Zinc	ppm	280	193	930	896
Phosphorus	ppm	656	945	830	763
Barium	ppm	0	2	0	0
Boron	ppm	88	165	4	3

Depot: CALCALIL
Unique No: 10793394
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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VOLVO GRAPHS

