



CONSTRUCTION EQUIPMENT

SPM635014 VOLVO EC160D 2 10090 - LEFT FINAL DRIVE



Sample No: VCP430179
Oil Type: GEAR OIL SAE 80W90
Job No: SPM635014



SAMPLE INFORMATION

Sample Number	VCP430179	VCP415236	VCP422728	VCP404366
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 Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	151	159	196	195
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T: (815)600-9027
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	0.158
Silicon	ppm	8	20	46	45
Sodium	ppm	2	0	3	2
Potassium	ppm	7	2	2	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	43	80	164	166
Copper	ppm	<1	<1	0	<1
Lead	ppm	<1	<1	0	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	6	4
Chromium	ppm	<1	2	5	5
Molybdenum	ppm	0	1	3	3
Nickel	ppm	0	0	0	<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	339	1005	2461	2387
Magnesium	ppm	7	16	42	41
Zinc	ppm	156	404	974	945
Phosphorus	ppm	704	953	867	810
Barium	ppm	0	2	0	0
Boron	ppm	105	165	5	4

Depot: CALCALIL
Unique No: 10793393
Signed: Jonathan Hester
Report Date: 20 Dec 2023



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GRAPHS

