



CONSTRUCTION EQUIPMENT

SPM594733 VOLVO EC380E 314966 - LEFT FINAL DRIVE



Sample No: VCP414946
Oil Type: GEAR OIL SAE 80W90
Job No: SPM594733



SAMPLE INFORMATION

Sample Number	VCP414946	VCP422586	VCP387426	VCP401507
Sample Date	25 Aug 2023	19 Jul 2023	11 Apr 2023	20 Jan 2023
Machine Hours	5784	4982	3953	1858
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
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OIL CONDITION

Visc @ 40°C	cSt	153	190	192	195
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CONTAMINATION

Water	%	---	---	▲ 0.232	---
Silicon	ppm	19	58	▲ 121	18
Sodium	ppm	3	2	5	2
Potassium	ppm	<1	1	8	<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	79	193	403	51
Copper	ppm	1	1	2	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	9	▲ 24	3
Chromium	ppm	2	6	▲ 23	2
Molybdenum	ppm	0	4	4	1
Nickel	ppm	0	<1	2	0
Titanium	ppm	<1	1	2	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	5	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	807	3022	2806	2193
Magnesium	ppm	28	90	124	23
Zinc	ppm	276	1088	927	960
Phosphorus	ppm	842	878	802	780
Barium	ppm	<1	0	2	<1
Boron	ppm	138	5	7	0

Depot: UNICICIL
Unique No: 10634533
Signed: Don Baldrige
Report Date: 08 Sep 2023

VOLVO **GRAPHS**

