



CONSTRUCTION EQUIPMENT

SPM580157 VOLVO EC380E 315082 - SWING DRIVE



Sample No: VCP420644
Oil Type: GEAR OIL SAE 80W90
Job No: SPM580157



SAMPLE INFORMATION

Sample Number	VCP420644	VCP403575	VCP364029	---
Sample Date	13 Jul 2023	16 Mar 2023	26 Aug 2022	---
Machine Hours	3213	2412	540	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

UNITED SCRAP

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

Visc @ 40°C	cSt	172	194	174	---
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CONTAMINATION

Silicon	ppm	10	13	8	---
Sodium	ppm	<1	2	<1	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	46	88	143	---
Copper	ppm	4	7	18	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	1	2	---
Chromium	ppm	1	2	2	---
Molybdenum	ppm	8	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2585	2521	17	---
Magnesium	ppm	123	15	0	---
Zinc	ppm	1192	1031	17	---
Phosphorus	ppm	923	889	343	---
Barium	ppm	0	0	4	---
Boron	ppm	1	0	0	---

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.

Depot: UNICICIL
Unique No: 10574665
Signed: Sean Felton
Report Date: 28 Jul 2023



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GRAPHS

