



CONSTRUCTION EQUIPMENT

SPM619900 VOLVO EC380E 314966 - SWING DRIVE



Sample No: VCP413171
Oil Type: GEAR OIL SAE 80W90
Job No: SPM619900



SAMPLE INFORMATION

Sample Number	VCP413171	VCP415262	VCP420639	VCP387454
Sample Date	12 Oct 2023	25 Aug 2023	19 Jul 2023	11 Apr 2023
Machine Hours	6338	5784	4982	3953
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	ATTENTION	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	176	101	191	196
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CONTAMINATION

Silicon	ppm	22	2	20	21
Sodium	ppm	0	2	<1	1
Potassium	ppm	0	<1	<1	0



WEAR METALS

Iron	ppm	16	<1	15	60
Copper	ppm	1	<1	2	4
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	<1	0	2
Chromium	ppm	<1	0	<1	1
Molybdenum	ppm	<1	0	3	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	2579	66	2612	3195
Magnesium	ppm	66	2	65	42
Zinc	ppm	970	18	957	1097
Phosphorus	ppm	977	945	770	893
Barium	ppm	0	0	0	0
Boron	ppm	48	160	3	3

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: 10713392
Signed: Don Baldrige
Report Date: 30 Oct 2023



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GRAPHS

