



CONSTRUCTION EQUIPMENT

SPM619900 VOLVO EC380E 314966 - LEFT FINAL DRIVE



Sample No: VCP412842
Oil Type: GEAR OIL SAE 80W90
Job No: SPM619900



SAMPLE INFORMATION

Sample Number	VCP412842	VCP414946	VCP422586	VCP387426
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	NORMAL	NORMAL	ABNORMAL

UNITED SCRAP

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

Visc @ 40°C	cSt	155	153	190	192
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CONTAMINATION

Water	%	---	---	---	▲ 0.232
Silicon	ppm	■ 32	■ 19	■ 58	▲ 121
Sodium	ppm	■ 0	■ 3	■ 2	■ 5
Potassium	ppm	■ <1	■ <1	■ 1	■ 8

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	■ 140	■ 79	■ 193	■ 403
Copper	ppm	■ <1	■ 1	■ 1	■ 2
Lead	ppm	■ 0	■ 0	■ <1	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 5	■ 3	■ 9	▲ 24
Chromium	ppm	■ 6	■ 2	■ 6	▲ 23
Molybdenum	ppm	■ 0	■ 0	4	■ 4
Nickel	ppm	■ <1	■ 0	■ <1	■ 2
Titanium	ppm	<1	<1	1	2
Silver	ppm	0	0	0	0
Manganese	ppm	■ 2	■ 1	2	■ 5
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	■ 905	■ 807	3022	■ 2806
Magnesium	ppm	■ 44	■ 28	90	■ 124
Zinc	ppm	■ 355	■ 276	1088	■ 927
Phosphorus	ppm	■ 1061	■ 842	878	■ 802
Barium	ppm	■ 0	■ <1	0	■ 2
Boron	ppm	■ 151	■ 138	5	■ 7

Depot: UNICICIL
Unique No: 10713351
Signed: Don Baldrige
Report Date: 30 Oct 2023



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VOLVO GRAPHS

