



CONSTRUCTION EQUIPMENT

VOLVO EC480E 314146 - REAR LEFT FINAL DRIVE



Sample No: VCP440678
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP440678	VCP419105	VCP424709	VCP371257
Sample Date	31 Jan 2024	28 Aug 2023	03 May 2023	17 Jan 2023
Machine Hours	6892	6421	5940	5434
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	153	222	131	137
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	7	5	9
Sodium	ppm	0	<1	2	2
Potassium	ppm	0	<1	<1	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.

WEAR METALS

Iron	ppm	43	50	65	79
Copper	ppm	<1	0	1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	<1	3
Chromium	ppm	1	<1	1	1
Molybdenum	ppm	3	1	3	3
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	46	67	24	23
Magnesium	ppm	23	24	26	22
Zinc	ppm	65	69	76	81
Phosphorus	ppm	1065	1002	940	885
Barium	ppm	0	0	0	<1
Boron	ppm	88	137	40	46

Depot: SAIBIR
Unique No: 10872533
Signed: Don Baldrige
Report Date: 12 Feb 2024



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GRAPHS

