



CONSTRUCTION EQUIPMENT

SWO-071488 VOLVO A60 340124 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCP450903
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-071488



SAMPLE INFORMATION

Sample Number	VCP450903	VCP431518	VCP408943	VCP402473
Sample Date	25 Apr 2024	06 Nov 2023	15 Jun 2023	04 Mar 2023
Machine Hours	9238	8770	2220	7828
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	286	291	291	207
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	4	4	3
Sodium	ppm	<1	0	0	<1
Potassium	ppm	0	0	<1	<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	32	25	26	37
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	2	<1	2	4
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	89	66	65	154
Magnesium	ppm	23	23	23	24
Zinc	ppm	62	54	57	79
Phosphorus	ppm	1103	965	1075	1112
Barium	ppm	0	0	2	0
Boron	ppm	197	193	204	167

Depot: SAIBIR
Unique No: 11005573
Signed: Jonathan Hester
Report Date: 03 May 2024



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GRAPHS

