



CONSTRUCTION EQUIPMENT

SWO-066386 VOLVO A45G 352565 - BOGIE/CENTER AXLE



Sample No: VCP428925
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-066386



SAMPLE INFORMATION

Sample Number	VCP428925	VCP416370	VCP412969	VCP402203
Sample Date	03 Oct 2023	31 Jul 2023	31 May 2023	06 Apr 2023
Machine Hours	8080	7625	7148	6710
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	298	300	297	297
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CONTAMINATION

Silicon	ppm	4	4	3	2
Sodium	ppm	<1	0	<1	0
Potassium	ppm	<1	<1	0	0



WEAR METALS

Iron	ppm	51	45	33	20
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	2	2	1	1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	53	52	97	59
Magnesium	ppm	36	36	37	38
Zinc	ppm	87	84	83	73
Phosphorus	ppm	1028	1060	1044	971
Barium	ppm	0	0	0	0
Boron	ppm	166	244	187	186

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: SAIBIR
Unique No: 10682523
Signed: Doug Bogart
Report Date: 15 Oct 2023



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GRAPHS

