



CONSTRUCTION EQUIPMENT

VOLVO A45G 352799 - BOGIE/CENTER AXLE



Sample No: VCP450886
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP450886	VCP445318	VCP429590	VCP417782
Sample Date	04 Jun 2024	27 Feb 2024	25 Oct 2023	12 Jul 2023
Machine Hours	5435	4930	4451	3946
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	290	286	288	151
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	5	7	9
Sodium	ppm	2	1	0	8
Potassium	ppm	4	0	2	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	88	105	74	348
Copper	ppm	3	0	1	1
Lead	ppm	3	2	0	0
Tin	ppm	1	0	<1	0
Aluminum	ppm	<1	0	1	2
Chromium	ppm	<1	<1	<1	6
Molybdenum	ppm	15	17	19	8
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	194	234	256	2968
Magnesium	ppm	21	24	27	31
Zinc	ppm	106	120	138	1278
Phosphorus	ppm	755	1034	1113	1170
Barium	ppm	0	0	0	6
Boron	ppm	134	155	175	41

Depot: SAIBIR
Unique No: 11074381
Signed: Don Baldrige
Report Date: 13 Jun 2024



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GRAPHS

