



CONSTRUCTION EQUIPMENT

SWO-069432 VOLVO A45G 352565 - FRONT AXLE



Sample No: VCP441302
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-069432



SAMPLE INFORMATION

Sample Number	VCP441302	VCP431039	VCP428927	VCP416371
Sample Date	06 Feb 2024	06 Dec 2023	03 Oct 2023	31 Jul 2023
Machine Hours	9060	8568	8080	7625
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	281	285	298	296
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	4	3
Sodium	ppm	0	0	0	0
Potassium	ppm	<1	<1	<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	13	8	18	16
Copper	ppm	<1	0	<1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	11	9	2	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	122	119	44	45
Magnesium	ppm	49	45	36	36
Zinc	ppm	118	107	84	81
Phosphorus	ppm	948	925	1048	1055
Barium	ppm	0	0	0	0
Boron	ppm	166	154	177	250

Depot: SAIBIR
Unique No: 10872542
Signed: Don Baldrige
Report Date: 12 Feb 2024



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VOLVO GRAPHS

