



CONSTRUCTION EQUIPMENT

SWO-069272 VOLVO A45G 352071 - FRONT AXLE



Sample No: VCP441324
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-069272



SAMPLE INFORMATION

Sample Number	VCP441324	VCP427484	VCP413256	VCP412968
Sample Date	29 Jan 2024	09 Oct 2023	12 Jul 2023	11 Jul 2023
Machine Hours	7545	7028	6523	8493
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	144	144	316	314
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	4	6
Sodium	ppm	0	0	0	0
Potassium	ppm	1	2	0	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	53	54	236	24
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	4	<1
Molybdenum	ppm	3	3	4	3
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	6	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	59	59	46	57
Magnesium	ppm	16	15	8	26
Zinc	ppm	53	52	18	51
Phosphorus	ppm	971	976	1157	1141
Barium	ppm	0	0	0	0
Boron	ppm	114	120	232	233

Depot: SAIBIR
Unique No: 10859316
Signed: Don Baldrige
Report Date: 03 Feb 2024



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GRAPHS

