



CONSTRUCTION EQUIPMENT

VOLVO A45G 352071 - FRONT AXLE



Sample No: VCP454697
Oil Type: GEAR OIL SAE 90W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP454697	VCP441324	VCP427484	VCP413256
Sample Date	06 May 2024	29 Jan 2024	09 Oct 2023	12 Jul 2023
Machine Hours	8023	7545	7028	6523
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	143	144	144	316
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	4
Sodium	ppm	1	0	0	0
Potassium	ppm	2	1	2	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	58	53	54	236
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	2	<1
Chromium	ppm	<1	<1	<1	4
Molybdenum	ppm	3	3	3	4
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	2	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	57	59	59	46
Magnesium	ppm	8	16	15	8
Zinc	ppm	62	53	52	18
Phosphorus	ppm	1042	971	976	1157
Barium	ppm	0	0	0	0
Boron	ppm	134	114	120	232

Depot: SAIBIR
Unique No: 11036002
Signed: Sean Felton
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

