



CONSTRUCTION EQUIPMENT

VOLVO A45G 352799 - FRONT AXLE



Sample No: VCP447792
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP447792	VCP445324	VCP431985	VCP418148
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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OIL CONDITION

Visc @ 40°C	cSt	291	292	293	153
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	8	6	7
Sodium	ppm	2	1	0	8
Potassium	ppm	4	0	3	6

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	96	117	87	492
Copper	ppm	3	0	<1	<1
Lead	ppm	4	2	0	0
Tin	ppm	1	0	<1	0
Aluminum	ppm	<1	<1	1	2
Chromium	ppm	1	<1	<1	8
Molybdenum	ppm	15	15	18	8
Nickel	ppm	0	<1	<1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	2	15
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	169	216	235	3092
Magnesium	ppm	23	25	35	34
Zinc	ppm	93	110	129	1372
Phosphorus	ppm	782	997	1097	1223
Barium	ppm	0	0	0	6
Boron	ppm	136	147	167	69

Depot: SAIBIR
Unique No: 11074384
Signed: Don Baldrige
Report Date: 13 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

