



CONSTRUCTION EQUIPMENT

SWO-071566 VOLVO A45G 352769 - BOGIE/CENTER AXLE



Sample No: VCP453853
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-071566



SAMPLE INFORMATION

Sample Number	VCP453853	VCP435524	VCP431107	VCP416540
Sample Date	01 May 2024	05 Jan 2024	20 Sep 2023	21 Jun 2023
Machine Hours	5450	4942	4400	3875
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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 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	307	309	302	153
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	5	5	10
Sodium	ppm	<1	0	0	9
Potassium	ppm	0	2	<1	2

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	28	22	18	252
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	2	<1	5
Chromium	ppm	<1	<1	<1	4
Molybdenum	ppm	3	3	3	5
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	227	179	160	2690
Magnesium	ppm	17	19	18	31
Zinc	ppm	134	100	97	1171
Phosphorus	ppm	1119	1049	1006	1065
Barium	ppm	<1	3	0	0
Boron	ppm	169	204	169	38

Depot: SAIBIR
Unique No: 11020291
Signed: Angela Borella
Report Date: 13 May 2024

VOLVO GRAPHS

