



CONSTRUCTION EQUIPMENT

SWO-068028 VOLVO A45G 352915 - BOGIE/CENTER AXLE



Sample No: VCP447558
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-068028



SAMPLE INFORMATION

Sample Number	VCP447558	VCP413521	VCP414104	VCP397706
Sample Date	06 Dec 2023	15 Aug 2023	26 May 2023	19 Jan 2023
Machine Hours	2854	2344	1912	1420
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	266	273	267	269
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	3	3
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	4	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	135	211	190	50
Copper	ppm	2	2	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	3	3	4	<1
Molybdenum	ppm	8	8	9	5
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	9	8	5
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	221	187	161	117
Magnesium	ppm	2	36	35	28
Zinc	ppm	109	107	97	81
Phosphorus	ppm	919	1189	1152	925
Barium	ppm	0	0	0	0
Boron	ppm	138	229	198	160

Depot: SAIBIR
Unique No: 10780788
Signed: Sean Felton
Report Date: 14 Dec 2023



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GRAPHS

