



CONSTRUCTION EQUIPMENT

SWO-068028 VOLVO A45G 352915 - REAR AXLE



Sample No: VCP447541
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-068028



SAMPLE INFORMATION

Sample Number	VCP447541	VCP427500	VCP414233	VCP397707
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	268	264.5	267	257
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	4	4
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	12	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	130	197	184	38
Copper	ppm	2	1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	1	<1	1
Chromium	ppm	3	4	4	<1
Molybdenum	ppm	7	9	9	6
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	10	8	5
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	231	188	151	139
Magnesium	ppm	<1	36	34	32
Zinc	ppm	100	109	92	89
Phosphorus	ppm	820	1281	1158	1045
Barium	ppm	0	0	0	0
Boron	ppm	136	254	202	184

Depot: SAIBIR
Unique No: 10780784
Signed: Sean Felton
Report Date: 14 Dec 2023



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GRAPHS

