



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - REAR AXLE



Sample No: VCP435400
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP435400	VCP411887	VCP404583	VCP393429
Sample Date	13 Nov 2023	22 Aug 2023	08 May 2023	16 Dec 2022
Machine Hours	9583	9107	8608	8113
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	279	275	280	50.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	2	2
Sodium	ppm	0	<1	<1	4
Potassium	ppm	1	0	<1	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	28	18	15	20
Copper	ppm	<1	0	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	5	2	3	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	142	113	103	137
Magnesium	ppm	34	26	26	0
Zinc	ppm	95	71	68	21
Phosphorus	ppm	1497	1070	1069	2132
Barium	ppm	0	0	0	0
Boron	ppm	266	200	158	244

Depot: SAIBIR
Unique No: 10754626
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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VOLVO GRAPHS

