



CONSTRUCTION EQUIPMENT

SWO-070856 VOLVO A45G 342096 - REAR AXLE



Sample No: VCP438720
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070856



SAMPLE INFORMATION

Sample Number	VCP438720	VCP435400	VCP411887	VCP404583
Sample Date	02 Apr 2024	13 Nov 2023	22 Aug 2023	08 May 2023
Machine Hours	10079	9583	9107	8608
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	280	279	275	280
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	3	2
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	0	1	0	<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	34	28	18	15
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	3	5	2	3
Nickel	ppm	0	0	0	<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	67	142	113	103
Magnesium	ppm	20	34	26	26
Zinc	ppm	66	95	71	68
Phosphorus	ppm	1122	1497	1070	1069
Barium	ppm	0	0	0	0
Boron	ppm	187	266	200	158

Depot: SAIBIR
Unique No: 10965067
Signed: Don Baldrige
Report Date: 09 Apr 2024



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GRAPHS

