



CONSTRUCTION EQUIPMENT

SWO-070856 VOLVO A45G 342096 - FRONT AXLE



Sample No: VCP438713
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070856



SAMPLE INFORMATION

Sample Number	VCP438713	VCP435397	VCP415568	VCP404584
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

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	293	292	292	293
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	4	3
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	103	66	67	56
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	2	1	2
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	41	79	104	83
Magnesium	ppm	11	16	19	17
Zinc	ppm	43	46	60	48
Phosphorus	ppm	1147	1100	1115	1087
Barium	ppm	0	0	0	0
Boron	ppm	190	190	206	159

Depot: SAIBIR
Unique No: 10965065
Signed: Don Baldrige
Report Date: 09 Apr 2024



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VOLVO GRAPHS

