



CONSTRUCTION EQUIPMENT

SWO-070332 VOLVO A45G 352705 - FRONT AXLE



Sample No: VCP452413
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070332



SAMPLE INFORMATION

Sample Number	VCP452413	VCP431009	VCP425025	VCP402776
Sample Date	12 Mar 2024	17 Nov 2023	09 Aug 2023	14 Apr 2023
Machine Hours	5950	5454	4958	4480
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	321	318	320	314
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	4	4
Sodium	ppm	0	0	0	0
Potassium	ppm	0	1	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	19	18	17	16
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	134	126	106	146
Magnesium	ppm	14	20	18	14
Zinc	ppm	80	78	74	69
Phosphorus	ppm	911	1065	1052	1177
Barium	ppm	0	0	2	0
Boron	ppm	150	182	187	216

Depot: SAIBIR
Unique No: 10930010
Signed: Don Baldrige
Report Date: 20 Mar 2024



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GRAPHS

