



CONSTRUCTION EQUIPMENT

SPM568105 VOLVO A40G 352677 - FRONT AXLE



Sample No: VCP409347
Oil Type: GEAR OIL SAE 80W90
Job No: SPM568105



SAMPLE INFORMATION

Sample Number	VCP409347	VCP407619	VCP356716	---
Sample Date	03 Jul 2023	10 May 2023	03 Feb 2022	---
Machine Hours	2820	2572	1011	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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 5000 INDUSTRIAL HWY
 GARY, IN
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 F:



OIL CONDITION

Visc @ 40°C	cSt	95.0	49.6	50.2	---
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CONTAMINATION

Silicon	ppm	3	22	4	---
Sodium	ppm	0	1	<1	---
Potassium	ppm	<1	1	4	---



WEAR METALS

Iron	ppm	167	551	500	---
Copper	ppm	<1	<1	2	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	<1	5	<1	---
Chromium	ppm	2	5	7	---
Molybdenum	ppm	2	1	6	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	9	14	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	18	179	39	---
Magnesium	ppm	2	3	<1	---
Zinc	ppm	15	54	15	---
Phosphorus	ppm	567	2512	2680	---
Barium	ppm	0	0	0	---
Boron	ppm	21	235	270	---

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10560806
Signed: Don Baldrige
Report Date: 18 Jul 2023



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GRAPHS

