



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA 24585

VOLVO A40G 352924 - FRONT AXLE



Sample No: VCP439314
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 24585



SAMPLE INFORMATION

Sample Number	VCP439314	VCP0006416	---	---
Sample Date	14 Dec 2023	30 Mar 2023	---	---
Machine Hours	2242	998	---	---
Oil Hours	0	998	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	49.3	49.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	5	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	3	4	---	---

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	520	211	---	---
Copper	ppm	3	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	7	3	---	---
Molybdenum	ppm	6	5	---	---
Nickel	ppm	1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	18	11	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	21	31	---	---
Magnesium	ppm	<1	4	---	---
Zinc	ppm	8	6	---	---
Phosphorus	ppm	2401	2488	---	---
Barium	ppm	0	0	---	---
Boron	ppm	248	281	---	---

Depot: TRIBUR
Unique No: 10793451
Signed: Don Baldrige
Report Date: 20 Dec 2023



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GRAPHS

