



CONSTRUCTION EQUIPMENT

18965 VOLVO A45G 353358 - FRONT AXLE



Sample No: VCP408998
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 18965



SAMPLE INFORMATION

Sample Number	VCP408998	VCP395635	---	---
Sample Date	29 Jun 2023	21 Feb 2023	---	---
Machine Hours	984	506	---	---
Oil Hours	984	506	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

GAINES & CO

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OIL CONDITION

Visc @ 40°C	cSt	51.5	51.2	---	---
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CONTAMINATION

Silicon	ppm	6	8	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	3	6	---	---



WEAR METALS

Iron	ppm	802	667	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	12	9	---	---
Molybdenum	ppm	5	5	---	---
Nickel	ppm	1	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	14	14	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	169	121	---	---
Magnesium	ppm	0	4	---	---
Zinc	ppm	68	59	---	---
Phosphorus	ppm	2432	2401	---	---
Barium	ppm	0	0	---	---
Boron	ppm	269	285	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: GAIKNI
Unique No: 10552867
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

