



CONSTRUCTION EQUIPMENT

VOLVO A40G 352676 - FRONT AXLE



Sample No: VCP412493
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP412493	VCP355426	VCP343195	---
Sample Date	05 Sep 2023	08 Jun 2022	21 Oct 2021	---
Machine Hours	4379	2274	991	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	ATTENTION	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	287	288	50.3	---
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CONTAMINATION

Silicon	ppm	5	13	5	---
Sodium	ppm	<1	<1	1	---
Potassium	ppm	2	<1	7	---



WEAR METALS

Iron	ppm	164	56	238	---
Copper	ppm	<1	<1	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	5	<1	---
Chromium	ppm	1	<1	4	---
Molybdenum	ppm	7	7	4	---
Nickel	ppm	<1	0	1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	2	12	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	40	76	8	---
Magnesium	ppm	6	23	<1	---
Zinc	ppm	17	34	7	---
Phosphorus	ppm	1033	971	2215	---
Barium	ppm	0	0	0	---
Boron	ppm	188	138	232	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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.

Depot: VOLVO0090
Unique No: 10642732
Signed: Don Baldrige
Report Date: 13 Sep 2023



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GRAPHS

