



CONSTRUCTION EQUIPMENT

VOLVO A40G 352676 - REAR AXLE



Sample No: VCP412496
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP412496	VCP353642	VCP343194	---
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	SEVERE	NORMAL	ABNORMAL	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	291	288	50.4	---
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CONTAMINATION

Water	%	1.78	---	---	---
Silicon	ppm	15	12	6	---
Sodium	ppm	5	<1	1	---
Potassium	ppm	5	<1	3	---



WEAR METALS

Iron	ppm	159	54	254	---
Copper	ppm	2	<1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	1	0	0	---
Aluminum	ppm	<1	5	<1	---
Chromium	ppm	2	<1	4	---
Molybdenum	ppm	7	7	2	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	2	0	---
Manganese	ppm	5	2	15	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	70	62	16	---
Magnesium	ppm	14	21	<1	---
Zinc	ppm	30	34	16	---
Phosphorus	ppm	1019	1015	2368	---
Barium	ppm	0	0	0	---
Boron	ppm	186	143	154	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0090
Unique No: 10642706
Signed: Don Baldrige
Report Date: 13 Sep 2023



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GRAPHS

