



CONSTRUCTION EQUIPMENT

VOLVO A45G 353418 - BOGIE/CENTER AXLE



Sample No: VCP436864
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP436864	VCP433538	---	---
Sample Date	05 Apr 2024	20 Oct 2023	---	---
Machine Hours	1960	997	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	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	51.2	52.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	3	2	---	---



WEAR METALS

Iron	ppm	205	302	---	---
Copper	ppm	3	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	3	4	---	---
Molybdenum	ppm	3	3	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	6	7	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	116	103	---	---
Magnesium	ppm	4	<1	---	---
Zinc	ppm	54	45	---	---
Phosphorus	ppm	2403	2060	---	---
Barium	ppm	0	0	---	---
Boron	ppm	258	291	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0090
Unique No: 10966540
Signed: Don Baldrige
Report Date: 10 Apr 2024



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GRAPHS

