



# CONSTRUCTION EQUIPMENT

405584 P&M VOLVO A45GFS A45GFS 352240 - DIESEL ENGINE



**Sample No:** VCP440618  
**Oil Type:** NOT GIVEN  
**Job No:** 405584 P&M



## SAMPLE INFORMATION

Sample Number	VCP440618	VCP0007656	---	---
Sample Date	05 Dec 2023	19 May 2023	---	---
Machine Hours	6561	6177	---	---
Oil Hours	0	6177	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
8418 PALM RIVER ROAD  
TAMPA, FL  
US 33619  
Contact: KENNY HANEY  
khaney@flaglerce.com  
T: (813)630-0077  
F: (813)630-2233



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 7.9	█ 9.5	---	---
Oxidation (PA)	%	65	57	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.1	---	---
Nitration (PA)	%	83	53	---	---
Sulfation (PA)	%	56	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 0.4	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 1	█ 2	---	---



## WEAR METALS

Iron	ppm	█ 7	█ 3	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 63	█ 63	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	<1	█ <1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1129	█ 1154	---	---
Magnesium	ppm	█ 914	█ 972	---	---
Zinc	ppm	█ 1295	█ 1284	---	---
Phosphorus	ppm	█ 1057	█ 1023	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 7	█ 12	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VOLVO0093  
**Unique No:** 10789221  
**Signed:** Wes Davis  
**Report Date:** 19 Dec 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

