



# CONSTRUCTION EQUIPMENT

339661-10 VOLVO A45G 342461 - DROP BOX



**Sample No:** VCP433476  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 339661-10



## SAMPLE INFORMATION

Sample Number	<b>VCP433476</b>	VCP345756	VCP375697	VCP338609
Sample Date	<b>07 Sep 2023</b>	06 Aug 2022	27 Jun 2022	12 Mar 2022
Machine Hours	<b>9629</b>	7000	6550	6036
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA CONSTRUCTION EQUIPMENT**  
 613 E STEVENSON RD  
 OTTAWA, IL  
 US 61350  
 Contact: ALEX MARCO  
 ALEXANDER.MARCO@ALTG.COM  
 T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>142</b>	145	143	50.8
-------------	-----	------------	-----	-----	------



## CONTAMINATION

Silicon	ppm	<b>11</b>	7	10	6
Sodium	ppm	<b>&lt;1</b>	0	<1	0
Potassium	ppm	<b>2</b>	1	1	3



## WEAR METALS

Iron	ppm	<b>796</b>	362	226	222
Copper	ppm	<b>8</b>	6	4	6
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>10</b>	7	6	1
Chromium	ppm	<b>12</b>	7	3	2
Molybdenum	ppm	<b>11</b>	8	5	2
Nickel	ppm	<b>4</b>	2	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>10</b>	5	2	4
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>206</b>	2245	2397	351
Magnesium	ppm	<b>3</b>	22	25	4
Zinc	ppm	<b>84</b>	886	942	182
Phosphorus	ppm	<b>425</b>	1125	1196	2058
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>13</b>	61	67	199

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO5055  
**Unique No:** 10646486  
**Signed:** Jonathan Hester  
**Report Date:** 18 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

