



# CONSTRUCTION EQUIPMENT

SW-20706-2 CMC VOLVO L180H 5503 - BEARING



**Sample No:** VCP403270  
**Oil Type:** VOLVO WB 102  
**Job No:** SW-20706-2 CMC



## SAMPLE INFORMATION

Sample Number	VCP403270	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	3902	---	---	---
Oil Hours	3902	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**ARNOLD MACHINERY COMPANY**  
 2975 WEST 2100 SOUTH  
 SALT LAKE CITY, UT  
 US 84119  
 Contact: TONY PAYAN  
 tpayan@arnoldmachinery.com  
 T: (801)972-4000  
 F: (801)975-9434



## CONTAMINATION

Silicon	ppm	1421	---	---	---
Sodium	ppm	53	---	---	---
Potassium	ppm	118	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that the oil was too thick to perform some of the normal laboratory tests. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	7299	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	215	---	---	---
Chromium	ppm	4	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	13	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	34	---	---	---
Vanadium	ppm	1	---	---	---



## ADDITIVES

Calcium	ppm	3937	---	---	---
Magnesium	ppm	118	---	---	---
Zinc	ppm	1792	---	---	---
Phosphorus	ppm	1076	---	---	---
Barium	ppm	10	---	---	---
Boron	ppm	87	---	---	---

**Depot:** VOLVO8770  
**Unique No:** 10547479  
**Signed:** Jonathan Hester  
**Report Date:** 11 Jul 2023



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## VOLVO GRAPHS

