



CONSTRUCTION EQUIPMENT

VOLVO L180H 4177 - REAR AXLE



Sample No: VCP455006
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP455006	VCP335766	---	---
Sample Date	25 Apr 2024	21 Nov 2021	---	---
Machine Hours	7317	5527	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	43.8	40.1	---	---
-------------	-----	------	------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	17	13	---	---
Sodium	ppm	9	6	---	---
Potassium	ppm	0	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	62	57	---	---
Copper	ppm	1	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	1	3	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3923	3957	---	---
Magnesium	ppm	20	32	---	---
Zinc	ppm	1520	1430	---	---
Phosphorus	ppm	1279	1326	---	---
Barium	ppm	0	0	---	---
Boron	ppm	120	116	---	---

Depot: VOLVO0090
Unique No: 11005554
Signed: Jonathan Hester
Report Date: 03 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

