



CONSTRUCTION EQUIPMENT

SWA333191 TRADE IN VOLVO L180H 004502 - REAR AXLE



Sample No: VCP416272
Oil Type: VOLVO WB 102
Job No: SWA333191 TRADE IN



SAMPLE INFORMATION

Sample Number	VCP416272	VCP393410	VCP354033	VCP378466
Sample Date	11 Sep 2023	06 Mar 2023	26 Aug 2022	01 Jun 2022
Machine Hours	11087	10109	8634	7886
Oil Hours	0	1000	2000	1000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	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 @ 40°C	cSt	43.1	43.8	44.3	45.2
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CONTAMINATION

Silicon	ppm	14	14	17	18
Sodium	ppm	2	<1	<1	2
Potassium	ppm	0	1	2	2



WEAR METALS

Iron	ppm	43	35	38	138
Copper	ppm	0	<1	11	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	6	<1	2	1
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	24	25	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3775	4111	4360	4109
Magnesium	ppm	53	61	13	15
Zinc	ppm	1487	1663	1733	1663
Phosphorus	ppm	1199	1272	1411	1335
Barium	ppm	0	0	2	0
Boron	ppm	139	134	147	171

Diagnosis

Resample at the next service interval to monitor. 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.

Depot: VOLVO0093
Unique No: 10656783
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

