



CONSTRUCTION EQUIPMENT

2035 SUWANNEE VOLVO L180H 5496 - REAR AXLE



Sample No: VCP438158
Oil Type: VOLVO WB 102
Job No: 2035 SUWANNEE



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SAMPLE INFORMATION

Sample Number	VCP438158	VCP413000	VCP418116	VCP405187
Sample Date	18 Jan 2024	18 Jul 2023	02 Jun 2023	14 Apr 2023
Machine Hours	13222	11082	10460	9652
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	45.3	44.4	43.3	43.8



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	13	13	11
Sodium	ppm	0	2	1	2
Potassium	ppm	1	0	0	0



WEAR METALS

Iron	ppm	29	52	40	102
Copper	ppm	4	14	14	87
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	<1	1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	2	<1	<1	1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3853	4012	3779	3276
Magnesium	ppm	34	20	20	21
Zinc	ppm	1615	1533	1498	1411
Phosphorus	ppm	1282	1292	1182	1201
Barium	ppm	0	0	0	0
Boron	ppm	134	154	138	113

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: 10847427
Signed: Wes Davis
Report Date: 26 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

