



CONSTRUCTION EQUIPMENT

2036 SUWANNEE VOLVO L180H 5419 - FRONT AXLE



Sample No: VCP438165
Oil Type: GEAR OIL SAE 85W140
Job No: 2036 SUWANNEE



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



SAMPLE INFORMATION

Sample Number	VCP438165	VCP440985	VCP413229	VCP418113
Sample Date	18 Jan 2024	25 Sep 2023	18 Jul 2023	02 Jun 2023
Machine Hours	11783	10654	9778	9285
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.4	42.9	42.9	43.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	12	13	11
Sodium	ppm	0	3	2	2
Potassium	ppm	1	0	0	0



WEAR METALS

Iron	ppm	17	42	34	22
Copper	ppm	4	22	20	18
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	3	1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3617	3649	4173	3774
Magnesium	ppm	11	15	17	15
Zinc	ppm	1613	1567	1696	1573
Phosphorus	ppm	1259	1282	1394	1231
Barium	ppm	0	0	0	0
Boron	ppm	127	142	136	135

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10847426
Signed: Don Baldrige
Report Date: 28 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

