



CONSTRUCTION EQUIPMENT

SPM566531 VOLVO L220H 282Z - REAR AXLE



Sample No: VCP415754
Oil Type: TDH FLUID SAE 75W80
Job No: SPM566531



SAMPLE INFORMATION

Sample Number	VCP415754	VCP391329	VCP376549	VCP310198
Sample Date	30 Jun 2023	20 Feb 2023	20 Jul 2022	14 Aug 2021
Machine Hours	10936	10007	9117	7254
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	43.0	42.0	45.8	43.2
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CONTAMINATION

Silicon	ppm	12	11	11	8
Sodium	ppm	0	2	2	2
Potassium	ppm	2	0	0	<1

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.



WEAR METALS

Iron	ppm	275	252	206	145
Copper	ppm	7	6	7	7
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	2	<1
Chromium	ppm	3	2	3	2
Molybdenum	ppm	2	2	2	2
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3164	2994	3232	3089
Magnesium	ppm	9	13	10	10
Zinc	ppm	1393	1195	1342	1299
Phosphorus	ppm	1264	1073	1208	1182
Barium	ppm	1	0	0	0
Boron	ppm	95	90	91	105

Depot: VOLVO0142
Unique No: 10547411
Signed: Doug Bogart
Report Date: 07 Jul 2023



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VOLVO GRAPHS

