



CONSTRUCTION EQUIPMENT

633991 MOSAIC VOLVO L220H 3205 - FRONT AXLE



Sample No: VCP429932
Oil Type: VOLVO WB 102
Job No: 633991 MOSAIC



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	VCP429932	VCP402750	VCP354089	VCP348912
Sample Date	17 Nov 2023	16 Feb 2023	23 Aug 2022	02 Feb 2022
Machine Hours	6388	5406	4493	3236
Oil Hours	2000	1500	1500	1000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	43.6	42.8	39.4	39.7
-------------	-----	-------------	------	------	------

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	13	10	9
Sodium	ppm	2	<1	4	2
Potassium	ppm	<1	0	0	2

WEAR METALS

Iron	ppm	69	51	110	112
Copper	ppm	13	6	26	20
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	2	1	2	2
Molybdenum	ppm	19	21	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	2	2	2	3
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	3606	3754	3563	3956
Magnesium	ppm	45	45	7	7
Zinc	ppm	1470	1416	1455	1658
Phosphorus	ppm	1206	1131	1234	1360
Barium	ppm	0	0	1	0
Boron	ppm	132	126	142	111

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: 10765280
Signed: Wes Davis
Report Date: 30 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

