



CONSTRUCTION EQUIPMENT

W14799 VOLVO L220H 2915 - FRONT AXLE



Sample No: VCP435137
Oil Type: VOLVO WB 102
Job No: W14799



SAMPLE INFORMATION

Sample Number	VCP435137	VCP426811	VCP381338	VCP280364
Sample Date	20 Oct 2023	02 Aug 2023	14 Feb 2023	12 Sep 2022
Machine Hours	5498	5035	4525	4189
Oil Hours	0	1000	500	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	MARGINAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.9	42.7	55.4	39.0
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CONTAMINATION

Silicon	ppm	11	13	13	11
Sodium	ppm	6	6	7	3
Potassium	ppm	0	0	0	0

WEAR METALS

Iron	ppm	143	159	152	360
Copper	ppm	<1	<1	1	4
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	0	2
Chromium	ppm	3	3	3	6
Molybdenum	ppm	2	<1	3	3
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	3	4	3	7
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3224	3812	3781	3061
Magnesium	ppm	16	22	19	9
Zinc	ppm	1376	1620	1461	1290
Phosphorus	ppm	1111	1266	1180	1079
Barium	ppm	0	0	0	0
Boron	ppm	120	129	136	91

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0080
Unique No: 10727728
Signed: Doug Bogart
Report Date: 07 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

