



CONSTRUCTION EQUIPMENT

W14606 VOLVO L220H 2893 - REAR AXLE



Sample No: VCP404660
Oil Type: VOLVO WB 102
Job No: W14606



SAMPLE INFORMATION

Sample Number	VCP404660	VCP405882	VCP370686	VCP354849
Sample Date	24 Aug 2023	15 Jun 2023	16 Nov 2022	07 Jul 2022
Machine Hours	7499	7098	6485	6008
Oil Hours	1500	1000	500	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.5	41.5	41.3	42.6
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CONTAMINATION

Silicon	ppm	12	19	13	8
Sodium	ppm	6	8	9	7
Potassium	ppm	2	2	0	0



WEAR METALS

Iron	ppm	18	15	55	27
Copper	ppm	1	<1	3	3
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	4	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	3	3	3
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	4005	3985	3496	3238
Magnesium	ppm	27	31	22	19
Zinc	ppm	1595	1641	1492	1301
Phosphorus	ppm	1292	1300	1171	1015
Barium	ppm	2	0	0	0
Boron	ppm	157	151	117	119

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: VOLVO0080
Unique No: 10633288
Signed: Wes Davis
Report Date: 06 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

