



CONSTRUCTION EQUIPMENT

SWA303245-20 VOLVO L110H 631591 - REAR AXLE



Sample No: VCP407101
Oil Type: VOLVO WB 102
Job No: SWA303245-20



SAMPLE INFORMATION

Sample Number	VCP407101	VCP411107	VCP374131	VCP326781
Sample Date	28 Jul 2023	27 Feb 2023	06 Jun 2022	26 Mar 2022
Machine Hours	7541	6936	5936	5432
Oil Hours	0	0	0	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

DENALI WE CARE

400 TORNE RD
HILLBURN, NY
US 10931
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.0	42.8	43.0	42.9
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T:
F:



CONTAMINATION

Silicon	ppm	12	16	14	8
Sodium	ppm	4	4	8	5
Potassium	ppm	0	0	0	2

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.



WEAR METALS

Iron	ppm	28	25	49	12
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	2	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4170	3935	3980	3891
Magnesium	ppm	18	19	22	14
Zinc	ppm	1676	1571	1548	1612
Phosphorus	ppm	1330	1252	1250	1387
Barium	ppm	0	0	0	0
Boron	ppm	157	132	141	137

Depot: DENHIL
Unique No: 10617669
Signed: Jonathan Hester
Report Date: 25 Aug 2023



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GRAPHS

