



CONSTRUCTION EQUIPMENT

HANSON VOLVO L220H 3137 - REAR AXLE



Sample No: VCP421577
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: HANSON



SAMPLE INFORMATION

Sample Number	VCP421577	ASC0006368	VCP423908	VCP414027
Sample Date	14 Mar 2024	18 Jan 2024	24 Aug 2023	12 Jul 2023
Machine Hours	9077	8714	8073	7687
Oil Hours	0	4000	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

113 - ASCENDUM MACHINERY INC - GARNER
 3561 JONES SAUSAGE ROAD
 GARNER, NC
 US 27529
 Contact: TRENT BROADWELL
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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.6	42.6	42.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	12	13	12
Sodium	ppm	<1	6	6	4
Potassium	ppm	1	0	0	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. High concentration of visible metal present. 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	13	73	72	66
Copper	ppm	2	9	7	7
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	4	2
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	<1	1	0	1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3871	3575	3945	4035
Magnesium	ppm	17	15	20	18
Zinc	ppm	1660	1522	1589	1690
Phosphorus	ppm	1237	1296	1319	1356
Barium	ppm	0	0	0	0
Boron	ppm	127	123	143	121

Depot: VOLV00157
Unique No: 10936884
Signed: Jonathan Hester
Report Date: 21 Mar 2024



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VOLVO GRAPHS

