



CONSTRUCTION EQUIPMENT

VOLVO L120H 632529 - REAR AXLE



Sample No: VCP435540
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP435540	VCP365152	VCP298939	---
Sample Date	07 Dec 2023	08 Jun 2023	17 Mar 2021	---
Machine Hours	17016	15919	8400	---
Oil Hours	0	0	986	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	ABNORMAL	NORMAL	---

FORESTRY RESOURCES

4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER



OIL CONDITION

Visc @ 40°C	cSt	41.9	42.1	40.1	---
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T: (239)872-1856
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	19	7	---
Sodium	ppm	6	6	4	---
Potassium	ppm	12	2	0	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	1055	644	36	---
Copper	ppm	1	1	<1	---
Lead	ppm	2	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	3	2	<1	---
Chromium	ppm	16	7	<1	---
Molybdenum	ppm	2	3	<1	---
Nickel	ppm	6	5	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	8	7	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	2686	4219	3169	---
Magnesium	ppm	0	23	8	---
Zinc	ppm	1185	1664	1379	---
Phosphorus	ppm	934	1344	1280	---
Barium	ppm	0	1	0	---
Boron	ppm	90	139	89	---

Depot: FORFOTFL
Unique No: 10780796
Signed: Sean Felton
Report Date: 14 Dec 2023



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GRAPHS

