



CONSTRUCTION EQUIPMENT

VOLVO L120H 632529 - REAR AXLE



Sample No: VCP446542
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP446542	VCP435540	VCP365152	VCP298939
Sample Date	14 Feb 2024	07 Dec 2023	08 Jun 2023	17 Mar 2021
Machine Hours	17629	17016	15919	8400
Oil Hours	0	0	0	986
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	SEVERE	ABNORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	42.9	41.9	42.1	40.1
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T: (239)872-1856
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	14	19	7
Sodium	ppm	8	6	6	4
Potassium	ppm	0	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. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	2687	1055	644	36
Copper	ppm	2	1	1	<1
Lead	ppm	<1	2	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	3	2	<1
Chromium	ppm	37	16	7	<1
Molybdenum	ppm	3	2	3	<1
Nickel	ppm	10	6	5	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	16	8	7	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	3949	2686	4219	3169
Magnesium	ppm	25	0	23	8
Zinc	ppm	1578	1185	1664	1379
Phosphorus	ppm	1301	934	1344	1280
Barium	ppm	0	0	1	0
Boron	ppm	126	90	139	89

Depot: FORFOTFL
Unique No: 10886170
Signed: Don Baldrige
Report Date: 21 Feb 2024



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GRAPHS

