



CONSTRUCTION EQUIPMENT

IMPACT AUTO 394833 VOLVO L90H 623902 - FRONT AXLE



Sample No: VCP392403
Oil Type: VOLVO WB 102
Job No: 394833



SAMPLE INFORMATION

Sample Number	VCP392403	VCP430001	VCP260724	VCP222908
Sample Date	15 Feb 2024	04 Dec 2023	18 Feb 2020	15 Oct 2018
Machine Hours	10000	9563	4300	2185
Oil Hours	2000	0	0	1000
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW
 Acheson, AB
 CA T7X 6C2

Contact: Jonathan Morton
 jmorton@strongco.com
 T: (780)464-1909
 F: (780)464-0434



OIL CONDITION

Visc @ 40°C	cSt	43.0	46.2	40.1	41.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	15	16	11
Sodium	ppm	1	1	6	<1
Potassium	ppm	<1	<1	2	<1

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.



WEAR METALS

Iron	ppm	24	21	28	16
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	0	<1	1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	4212	4028	4351	4054
Magnesium	ppm	16	15	14	10
Zinc	ppm	1616	1592	1774	1636
Phosphorus	ppm	1343	1283	1419	1317
Barium	ppm	<1	<1	0	0
Boron	ppm	119	117	127	119

Depot: VOLVO3908
Unique No: 5733887
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

