



CONSTRUCTION EQUIPMENT

SPM595106 VOLVO L90H 624199 - FRONT AXLE



Sample No: VCP354486
Oil Type: VOLVO WB 102
Job No: SPM595106



SAMPLE INFORMATION

Sample Number	VCP354486	VCP372570	VCP361087	VCP342070
Sample Date	22 Aug 2023	25 Jul 2022	23 Mar 2022	06 Dec 2021
Machine Hours	9032	7115	6496	5987
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804

Contact: RON LUCHTENBURG
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OIL CONDITION

Visc @ 40°C	cSt	41.7	42.2	42.2	42.1
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CONTAMINATION

Silicon	ppm	12	13	13	11
Sodium	ppm	7	8	9	9
Potassium	ppm	2	2	0	<1



WEAR METALS

Iron	ppm	22	34	15	20
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4054	4265	4178	4345
Magnesium	ppm	14	15	18	20
Zinc	ppm	1613	1638	1564	1659
Phosphorus	ppm	1317	1299	1330	1409
Barium	ppm	2	2	0	0
Boron	ppm	164	157	134	121

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.

Depot: UNICICIL
Unique No: 10633259
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

