



# CONSTRUCTION EQUIPMENT

## 19793 KOPPERS-LELAND VOLVO L150H 6856 - REAR AXLE



**Sample No:** VCP441588  
**Oil Type:** VOLVO WB 102  
**Job No:** 19793 KOPPERS-LELAND



### SAMPLE INFORMATION

Sample Number	<b>VCP441588</b>	VCP426894	VCP421460	VCP313936
Sample Date	<b>28 Sep 2023</b>	13 Jul 2023	03 May 2023	11 Aug 2021
Machine Hours	<b>6473</b>	6021	5629	2042
Oil Hours	<b>0</b>	0	1635	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	MARGINAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.9</b>	42.0	41.9	42.7
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### CONTAMINATION

Silicon	ppm	<b>14</b>	18	12	14
Sodium	ppm	<b>0</b>	3	2	10
Potassium	ppm	<b>2</b>	0	2	1

### 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.



### WEAR METALS

Iron	ppm	<b>25</b>	30	21	63
Copper	ppm	<b>17</b>	14	10	<1
Lead	ppm	<b>0</b>	0	0	2
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	0	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	3	3	0
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4059</b>	4127	3908	4428
Magnesium	ppm	<b>16</b>	19	15	14
Zinc	ppm	<b>1688</b>	1664	1601	1718
Phosphorus	ppm	<b>1363</b>	1359	1289	1450
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>133</b>	138	125	123

**Depot:** VOLVO8769  
**Unique No:** 10702477  
**Signed:** Don Baldrige  
**Report Date:** 23 Oct 2023



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## GRAPHS

