



# CONSTRUCTION EQUIPMENT

BULK EXPRESS VOLVO L150H 6937 - FRONT AXLE



**Sample No:** VCP432365  
**Oil Type:** VOLVO WB 102  
**Job No:** BULK EXPRESS



## SAMPLE INFORMATION

Sample Number	VCP432365	VCP432802	VCP411682	VCP422416
Sample Date	20 Dec 2023	29 Aug 2023	26 May 2023	21 Mar 2023
Machine Hours	6648	6060	5504	4909
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	42.7	42.5	103	44.1
		■	■	▲	■



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 15	■ 15	■ 16	■ 15
Sodium	ppm	■ 2	■ 6	■ 9	■ 8
Potassium	ppm	■ 2	■ 2	■ <1	■ 0

## 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	■ 31	■ 49	■ 46	■ 33
Copper	ppm	■ <1	■ <1	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ <1	■ <1
Aluminum	ppm	■ 2	■ 2	■ <1	■ 1
Chromium	ppm	■ 1	■ 1	■ 1	■ 1
Molybdenum	ppm	■ 5	■ 2	■ 2	■ 2
Nickel	ppm	■ <1	■ 0	■ <1	■ 0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 1	■ 2	■ 3	■ 2
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	■ 4383	■ 3795	■ 3820	■ 3743
Magnesium	ppm	■ 34	■ 13	■ 13	■ 15
Zinc	ppm	■ 1820	■ 1545	■ 1546	■ 1492
Phosphorus	ppm	■ 1463	■ 1280	■ 1207	■ 1196
Barium	ppm	■ 10	■ 2	■ 0	■ 0
Boron	ppm	■ 153	■ 147	■ 138	■ 124

**Depot:** VOLVO0093  
**Unique No:** 10807698  
**Signed:** Don Baldrige  
**Report Date:** 29 Dec 2023

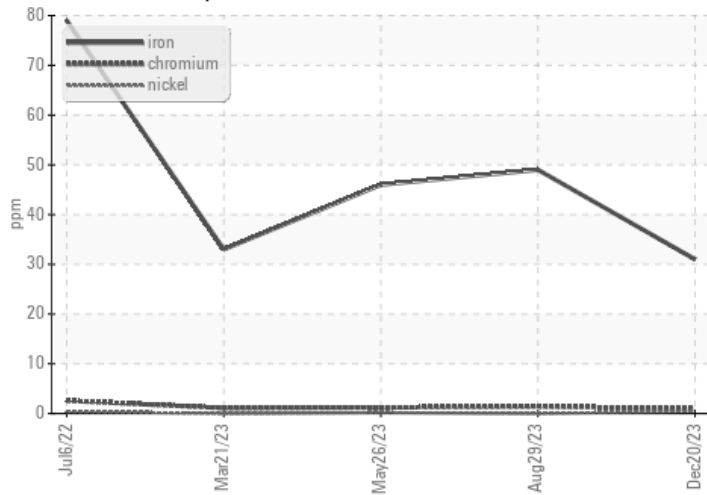


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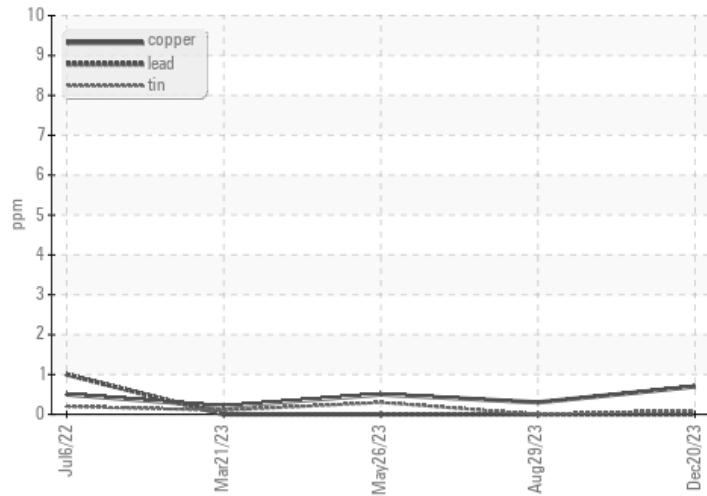


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

