



# CONSTRUCTION EQUIPMENT

HERC VOLVO A30G 753422 - DIESEL ENGINE



**Sample No:** VCP429644  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** HERC



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## SAMPLE INFORMATION

Sample Number	VCP429644	---	---	---
Sample Date	02 Jan 2024	---	---	---
Machine Hours	742	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Base Number (BN)	mg KOH/g	■ 5.8	---	---	---
Oxidation (PA)	%	61	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 32	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 27	---	---	---
Copper	ppm	■ 288	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 81	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 2080	---	---	---
Magnesium	ppm	■ 56	---	---	---
Zinc	ppm	■ 1239	---	---	---
Phosphorus	ppm	■ 933	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 32	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10823695  
**Signed:** Don Baldrige  
**Report Date:** 14 Jan 2024

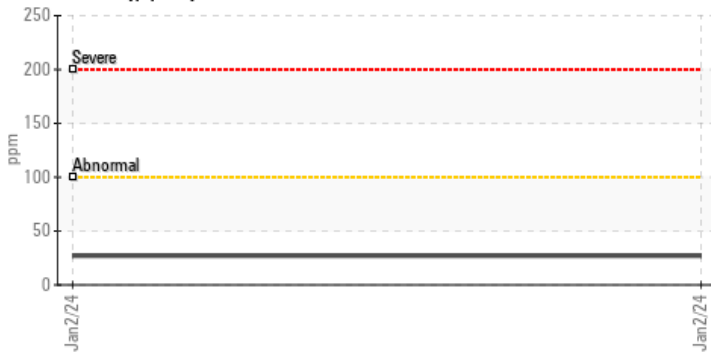


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## GRAPHS

### Iron (ppm)



### Lead (ppm)



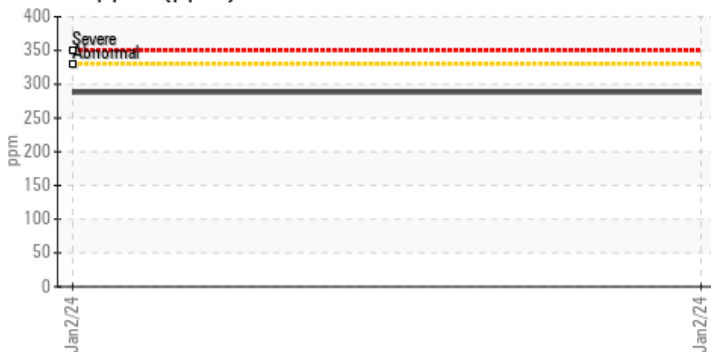
### Aluminum (ppm)



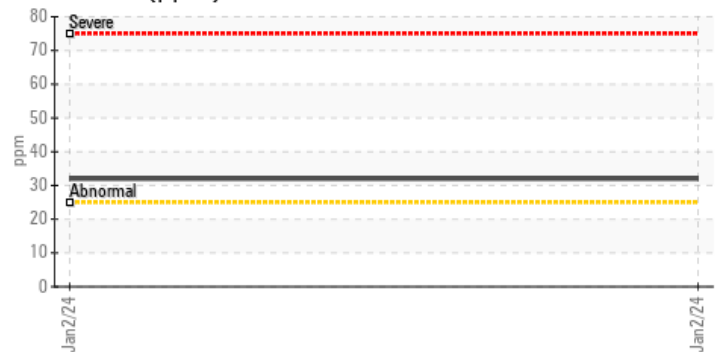
### Chromium (ppm)



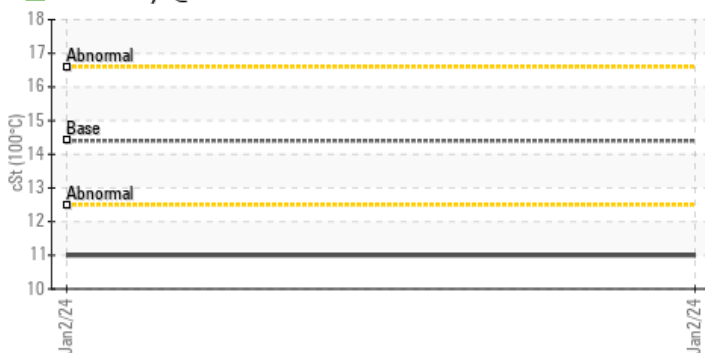
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Base Number

