



# CONSTRUCTION EQUIPMENT

SW29908 RAPI LTD VOLVO DD30B 27229 - DIESEL ENGINE



**Sample No:** VCP437336  
**Oil Type:** {unknown}  
**Job No:** SW29908 RAPI LTD



## SAMPLE INFORMATION

Sample Number	VCP437336	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	2663	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	8.9	---	---	---
Base Number (BN)	mg KOH/g	5.8	---	---	---
Oxidation (PA)	%	65	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	4.5	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	2	---	---	---



## WEAR METALS

Iron	ppm	2	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	67	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	1542	---	---	---
Magnesium	ppm	53	---	---	---
Zinc	ppm	934	---	---	---
Phosphorus	ppm	714	---	---	---
Barium	ppm	11	---	---	---
Boron	ppm	70	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 10882784  
**Signed:** Jonathan Hester  
**Report Date:** 20 Feb 2024



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## GRAPHS

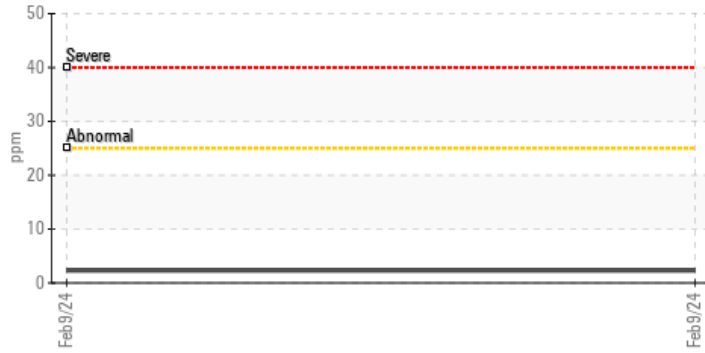
### Iron (ppm)



### Lead (ppm)



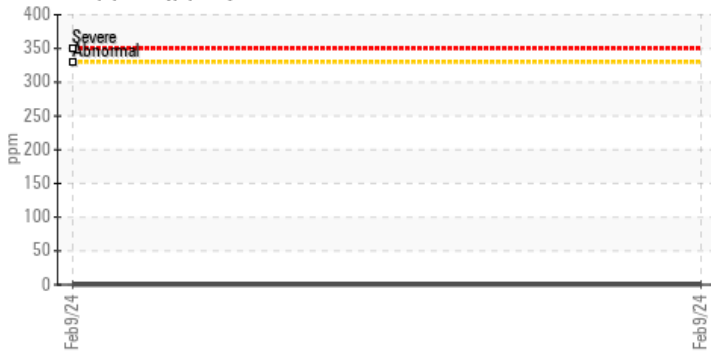
### Aluminum (ppm)



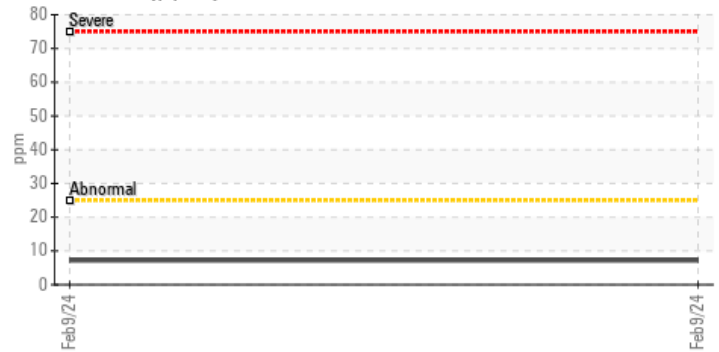
### Chromium (ppm)



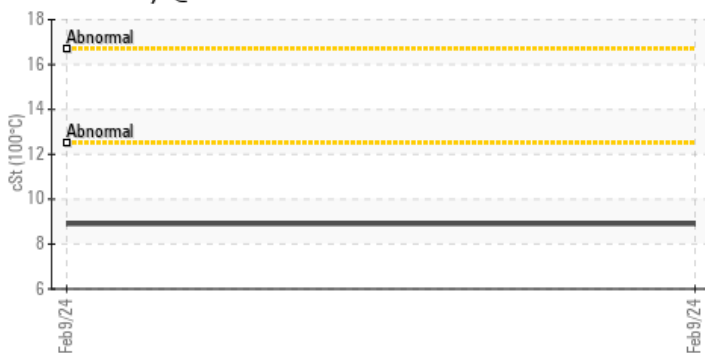
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

