

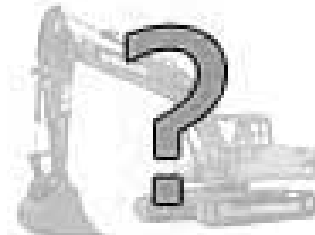


# CONSTRUCTION EQUIPMENT

E15101 CRAIGE T ELTEC 2FHL277LR0257 - DIESEL ENGINE



**Sample No:** VCP418864  
**Oil Type:** PURUS SYNTHETIC BLEND 15W40  
**Job No:** E15101 CRAIGE T



## SAMPLE INFORMATION

Sample Number	VCP418864	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	307	---	---	---
Oil Hours	307	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**CHADWICK-BAROSS INC**  
 314 MAIN STREET  
 CARIBOU, ME  
 US 04736  
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 theriault@chadwick-baross.com  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 9.0	---	---	---
Oxidation (PA)	%	■ 62	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

## CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 58	---	---	---
Sulfation (PA)	%	■ 52	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 1.8	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---

## WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 61	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 1084	---	---	---
Magnesium	ppm	■ 956	---	---	---
Zinc	ppm	■ 1202	---	---	---
Phosphorus	ppm	■ 997	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 4	---	---	---

**Depot:** VOLVO0010  
**Unique No:** 10723723  
**Signed:** Jonathan Hester  
**Report Date:** 03 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

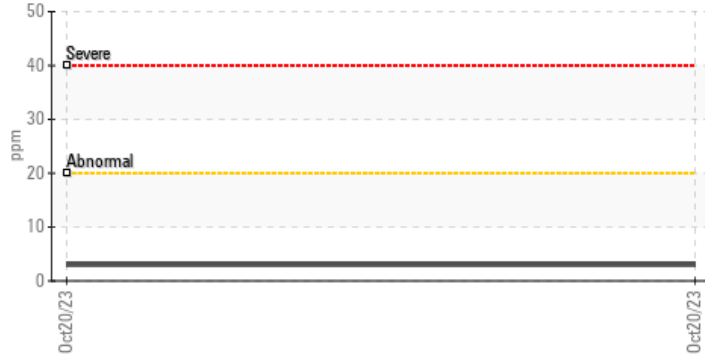
### Iron (ppm)



### Lead (ppm)



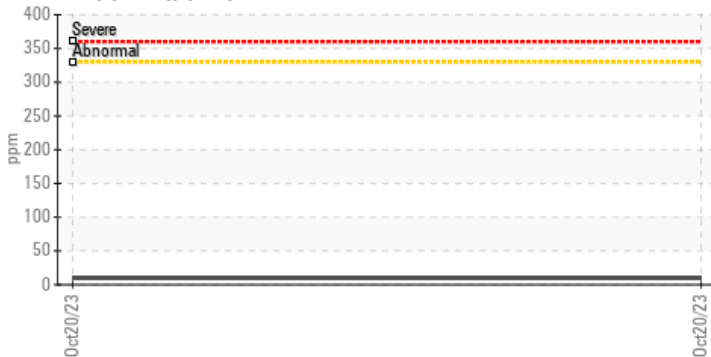
### Aluminum (ppm)



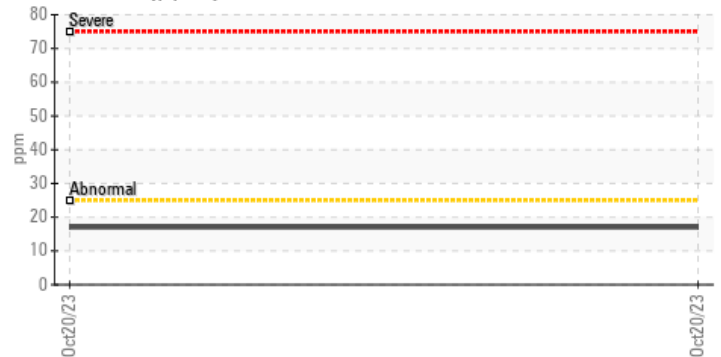
### Chromium (ppm)



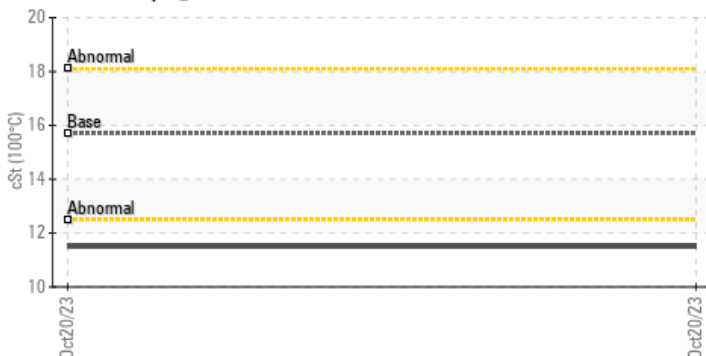
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Base Number

