



# CONSTRUCTION EQUIPMENT

608653 TAKEUCHI TL12V2 412006208 - DIESEL ENGINE



**Sample No:** VCP450853  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** 608653



## SAMPLE INFORMATION

Sample Number	VCP450853	---	---	---
Sample Date	15 Jul 2024	---	---	---
Machine Hours	925	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	MARGINAL	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	95	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	█ 2.5	---	---	---
Nitration (PA)	%	113	---	---	---
Sulfation (PA)	%	76	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.3	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 25	---	---	---



## WEAR METALS

Iron	ppm	█ 50	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1914	---	---	---
Magnesium	ppm	█ 469	---	---	---
Zinc	ppm	█ 895	---	---	---
Phosphorus	ppm	█ 715	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 34	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 11127591  
**Signed:** Sean Felton  
**Report Date:** 18 Jul 2024

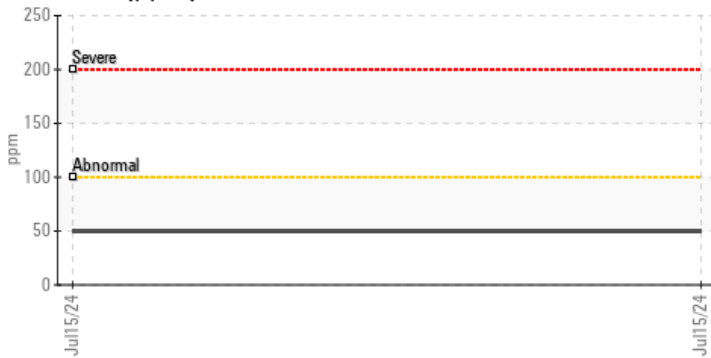


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## GRAPHS

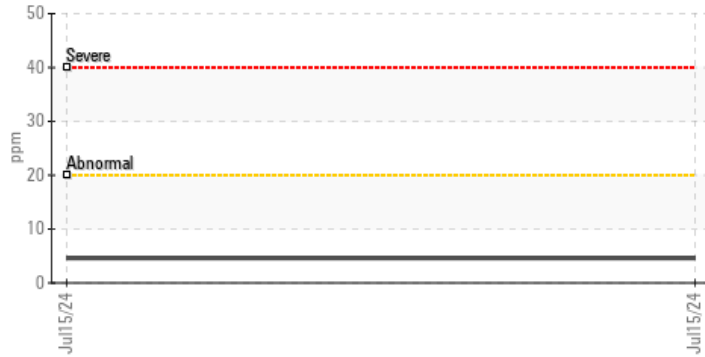
### Iron (ppm)



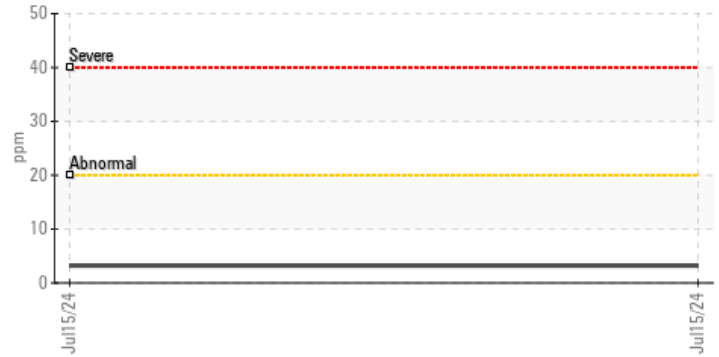
### Lead (ppm)



### Aluminum (ppm)



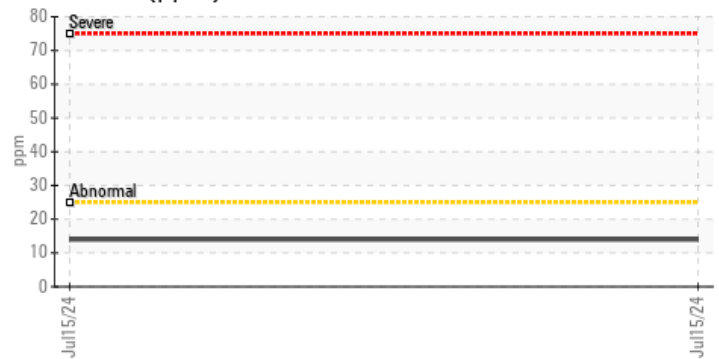
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

