



# CONSTRUCTION EQUIPMENT

## 579622 KRAKEN VOLVO L350H 1106 - DIESEL ENGINE



**Sample No:** VCP416239  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 579622 KRAKEN



### SAMPLE INFORMATION

Sample Number	VCP416239	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	7925	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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

Visc @ 100°C	cSt	█ 14.7	---	---	---
Base Number (BN)	mg KOH/g	▲ 2.5	---	---	---
Oxidation (PA)	%	136	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. 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 BN level is low. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Soot %	%	█ 1.9	---	---	---
Nitration (PA)	%	114	---	---	---
Sulfation (PA)	%	102	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---



### WEAR METALS

Iron	ppm	█ 98	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 13	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	105	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 1713	---	---	---
Magnesium	ppm	█ 452	---	---	---
Zinc	ppm	█ 1414	---	---	---
Phosphorus	ppm	█ 1108	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 70	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 10577366  
**Signed:** Don Baldrige  
**Report Date:** 01 Aug 2023

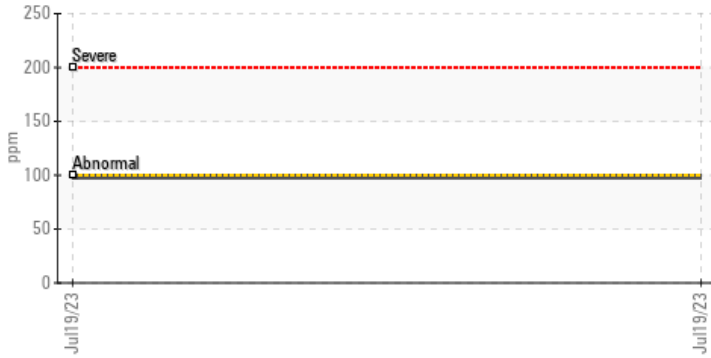


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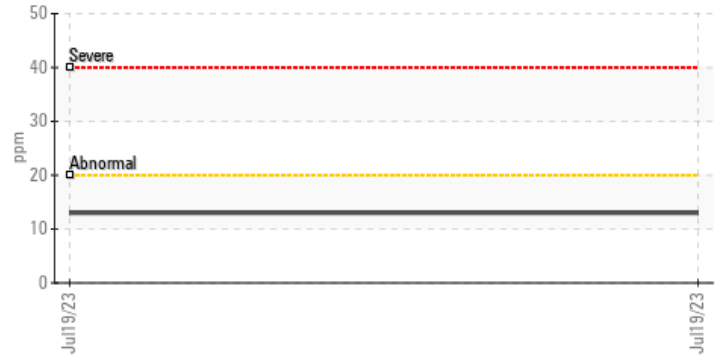


## GRAPHS

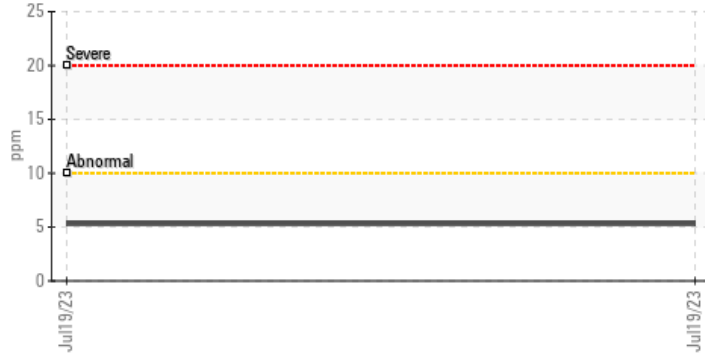
### Iron (ppm)



### Lead (ppm)



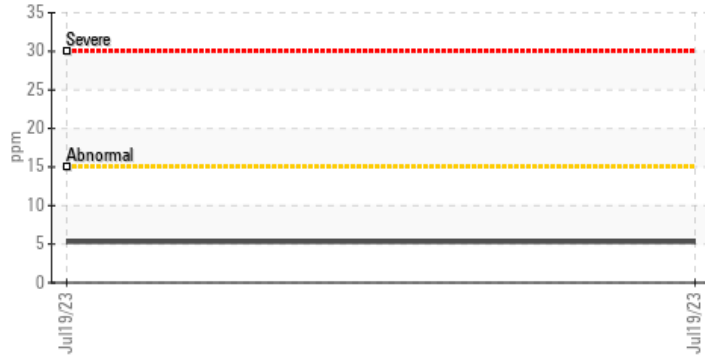
### Aluminum (ppm)



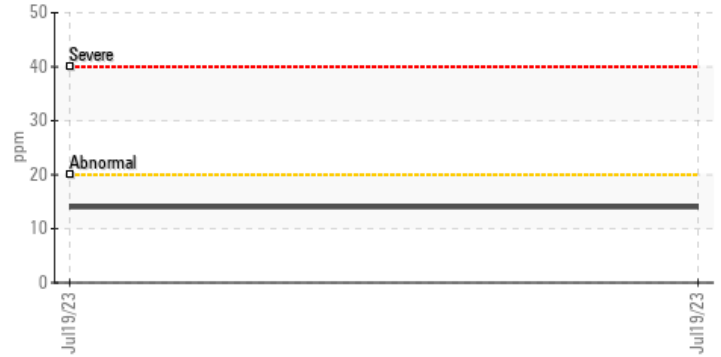
### Chromium (ppm)



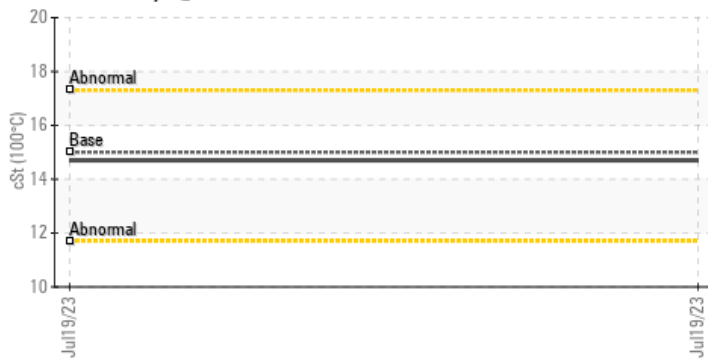
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### ▲ Base Number

