



# CONSTRUCTION EQUIPMENT

## 408251 KOMATSU PC450HR K342411 - DIESEL ENGINE



**Sample No:** VCP392402  
**Oil Type:** KOMATSU 15W40  
**Job No:** 408251



### SAMPLE INFORMATION

Sample Number	VCP392402	---	---	---
Sample Date	21 Jun 2024	---	---	---
Machine Hours	5750	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**STRONGCO EQUIPMENT-EDMONTON**  
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 Acheson, AB  
 CA T7X 6C2  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 79.2	---	---	---
Visc @ 100°C	cSt	▲ 11.9	---	---	---
Viscosity Index (VI)	Scale	144	---	---	---
Oxidation (PA)	%	70	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was specified as (GENERIC) NOT GIVEN, however, a fluid match indicates that this fluid is SAE 10W30 Diesel Engine Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.7	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.8	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



### WEAR METALS

Iron	ppm	■ 23	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 64	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 1648	---	---	---
Magnesium	ppm	■ 493	---	---	---
Zinc	ppm	■ 1270	---	---	---
Phosphorus	ppm	■ 1036	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 75	---	---	---

**Depot:** VOLVO3908  
**Unique No:** 5801645  
**Signed:** Kevin Marson  
**Report Date:** 27 Jun 2024

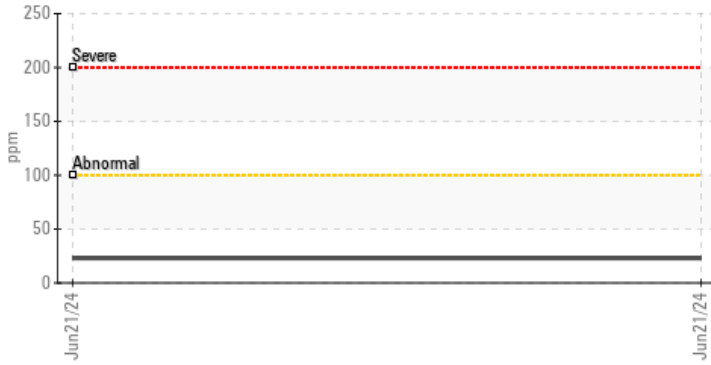


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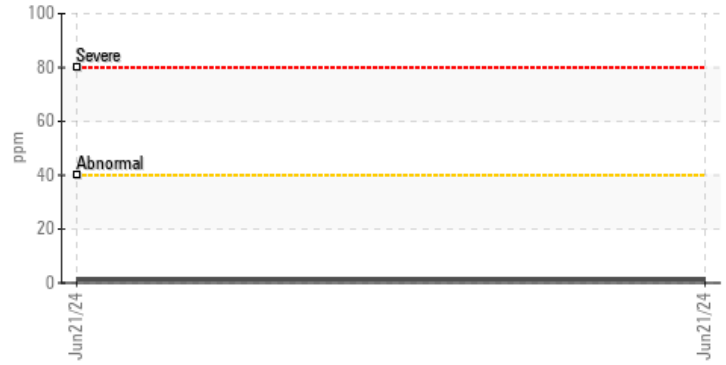


## GRAPHS

### Iron (ppm)



### Lead (ppm)



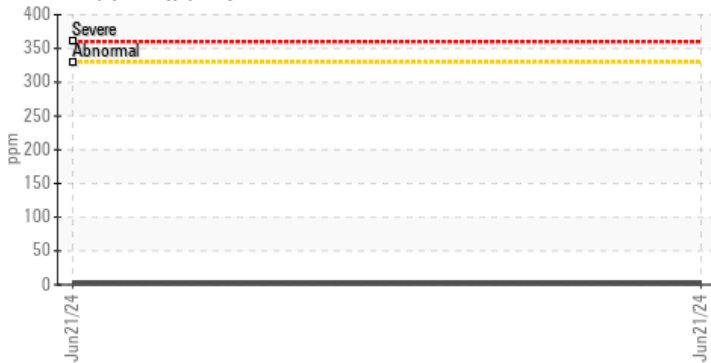
### Aluminum (ppm)



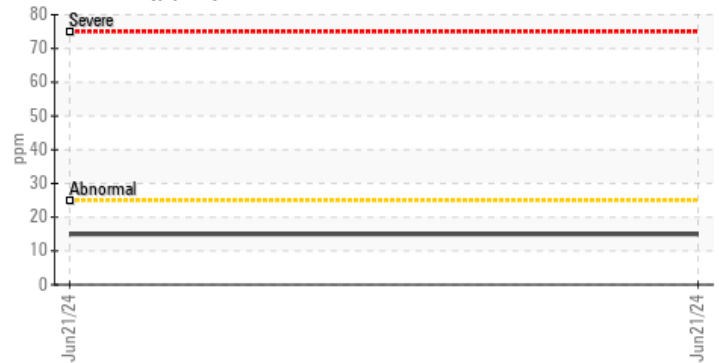
### Chromium (ppm)



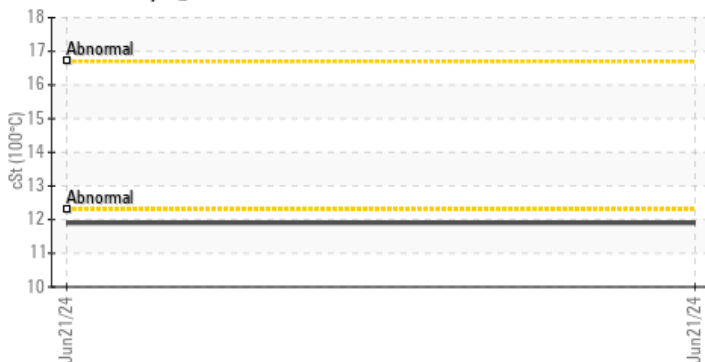
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Soot %

