



CONSTRUCTION EQUIPMENT

579552 JOSH LENTINO TAKEUCHI TL8R2 5718 - DIESEL ENGINE



Sample No: VCP454573
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 579552 JOSH LENTINO



SAMPLE INFORMATION

Sample Number	VCP454573	---	---	---
Sample Date	05 Jun 2024	---	---	---
Machine Hours	2010	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: BRAD BYRO
 bradley.byro@altg.com
 T: (407)850-9614
 F: (407)659-8720



OIL CONDITION

Visc @ 100°C	cSt	▲ 4.7	---	---	---
Base Number (BN)	mg KOH/g	■ 7.5	---	---	---
Oxidation (PA)	%	51	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	44	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 39.5	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 31	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 986	---	---	---
Magnesium	ppm	■ 341	---	---	---
Zinc	ppm	■ 707	---	---	---
Phosphorus	ppm	■ 580	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 39	---	---	---

Depot: VOLVO0096
Unique No: 11073548
Signed: Sean Felton
Report Date: 17 Jun 2024

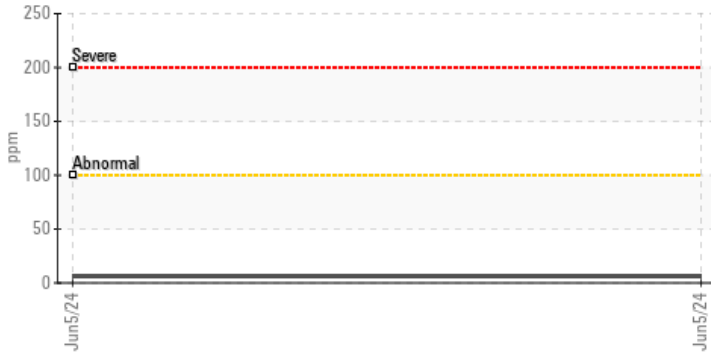


CONSTRUCTION EQUIPMENT

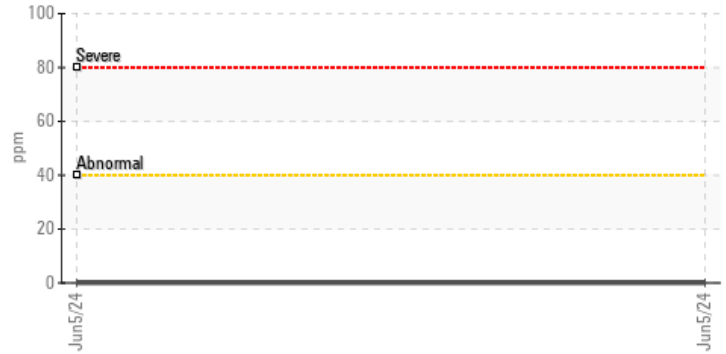


GRAPHS

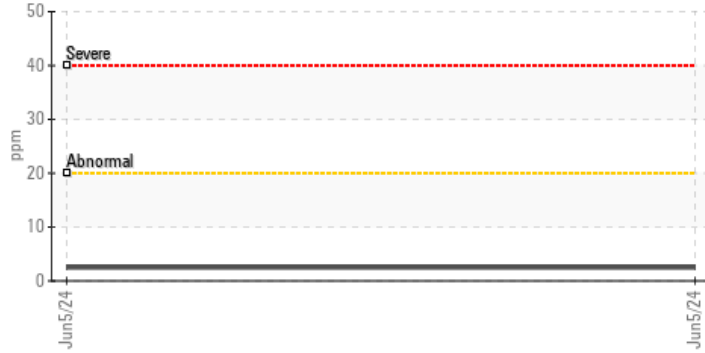
Iron (ppm)



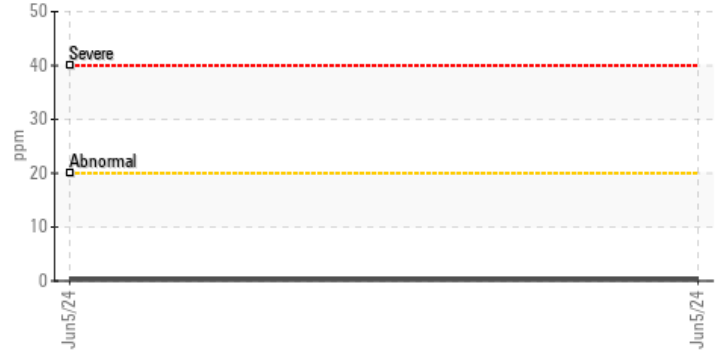
Lead (ppm)



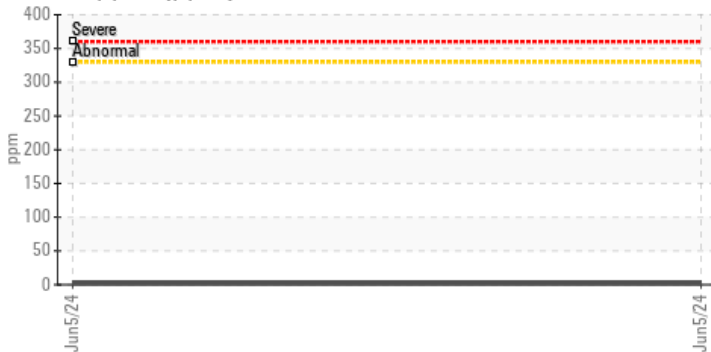
Aluminum (ppm)



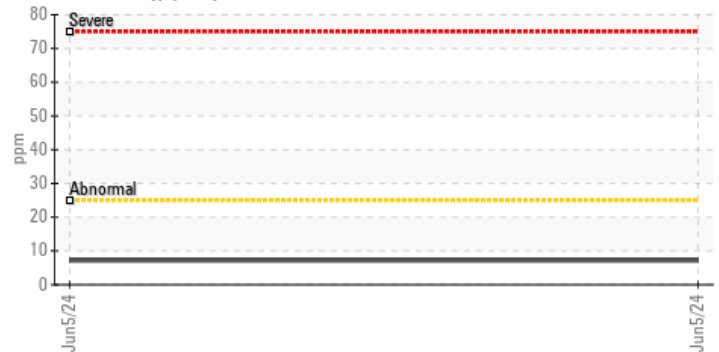
Chromium (ppm)



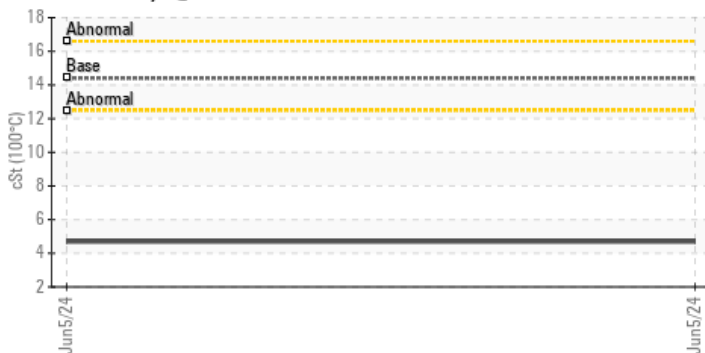
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

