



CONSTRUCTION EQUIPMENT

455652-20 TB LANDMAR TAKEUCHI TL10VZ 410001434 - DIESEL ENGINE



Sample No: VCP429441
Oil Type: {unknown}
Job No: 455652-20 TB LANDMAR



SAMPLE INFORMATION

Sample Number	VCP429441	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	2400	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: SHAWN NORTHCRAFT
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T: (904)737-6000
F: (904)737-1260



OIL CONDITION

Visc @ 100°C	cSt	▲ 8.7	---	---	---
Base Number (BN)	mg KOH/g	■ 6.3	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	95	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.7	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 23	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 51	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 881	---	---	---
Magnesium	ppm	■ 784	---	---	---
Zinc	ppm	■ 1030	---	---	---
Phosphorus	ppm	■ 809	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 6	---	---	---

Depot: VOLVO0092
Unique No: 10836661
Signed: Wes Davis
Report Date: 23 Jan 2024

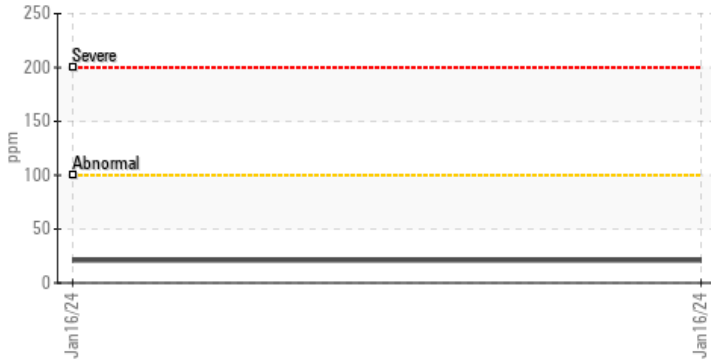


CONSTRUCTION EQUIPMENT



GRAPHS

Iron (ppm)



Lead (ppm)



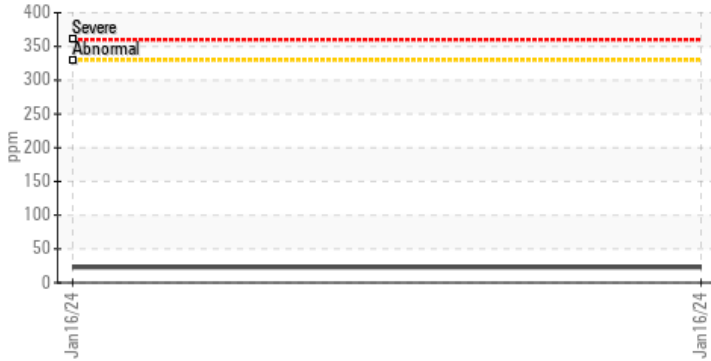
Aluminum (ppm)



Chromium (ppm)



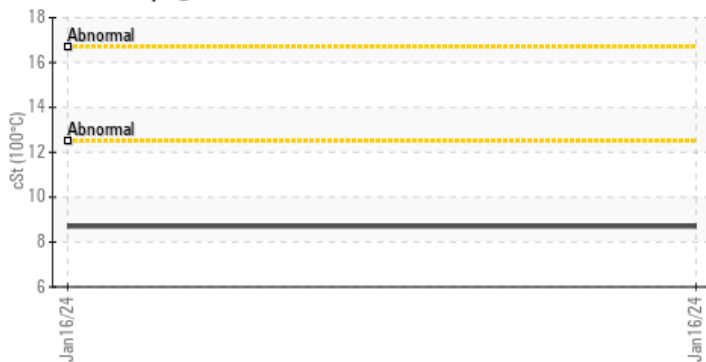
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

