



# CONSTRUCTION EQUIPMENT

SPM608221-10 LONE PR TAKEUCHI TL12V2 412003873 - DIESEL ENGINE



**Sample No:** VCP409075  
**Oil Type:** NOT GIVEN  
**Job No:** SPM608221-10 LONE PR



## SAMPLE INFORMATION

Sample Number	VCP409075	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	1554	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
Contact: NATE PIERCE  
NATE.PIERCE@ALTAEQUIPMENT.COM  
T:  
F: (248)356-2029



## OIL CONDITION

Visc @ 100°C	cSt	▲ 17.0	---	---	---
Base Number (BN)	mg KOH/g	▲ 2.6	---	---	---
Oxidation (PA)	%	112	---	---	---

## Diagnosis

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: High solids (carbon/soot) in the sample have limited the accuracy of Infra-Red data including Total Base Number (TBN) value. All component wear rates are normal. There is an abnormal amount of solids and carbon present in the oil. The oil viscosity is higher than normal. The BN level is low.



## CONTAMINATION

Soot %	%	▲ 4.3	---	---	---
Nitration (PA)	%	134	---	---	---
Sulfation (PA)	%	91	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 1	---	---	---



## WEAR METALS

Iron	ppm	■ 67	---	---	---
Copper	ppm	■ 45	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 51	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 1827	---	---	---
Magnesium	ppm	■ 550	---	---	---
Zinc	ppm	■ 1125	---	---	---
Phosphorus	ppm	■ 868	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 24	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 10714098  
**Signed:** Don Baldrige  
**Report Date:** 30 Oct 2023



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## GRAPHS

