



CONSTRUCTION EQUIPMENT

ARTISAN BUILDERS TAKEUCHI TL12V2 412007110 - DIESEL ENGINE



Sample No: VCP409453
Oil Type: NOT GIVEN
Job No: ARTISAN BUILDERS



SAMPLE INFORMATION

Sample Number	VCP409453	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	50	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.1	---	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	27	---	---	---

Diagnosis

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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	38	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	142	---	---	---

WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 137	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 2650	---	---	---
Magnesium	ppm	■ 16	---	---	---
Zinc	ppm	■ 523	---	---	---
Phosphorus	ppm	■ 389	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 150	---	---	---

Depot: VOLVO8882
Unique No: 10806567
Signed: Angela Borella
Report Date: 29 Dec 2023



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GRAPHS

