



CONSTRUCTION EQUIPMENT

W07014038-2 WW&P TAKEUCHI TB230 130009141 - DIESEL ENGINE



Sample No: VCP447818
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07014038-2 WW&P



SAMPLE INFORMATION

Sample Number	VCP447818	---	---	---
Sample Date	28 Dec 2023	---	---	---
Machine Hours	122	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
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	▲ 9.7	---	---	---
Base Number (BN)	mg KOH/g	■ 11.7	---	---	---
Oxidation (PA)	%	40	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. 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)	%	54	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.9	---	---	---
Silicon	ppm	■ 66	---	---	---
Sodium	ppm	■ 13	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 30	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 108	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 4182	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 1493	---	---	---
Phosphorus	ppm	■ 1242	---	---	---
Barium	ppm	■ 16	---	---	---
Boron	ppm	■ 49	---	---	---

Depot: VOLVO8882
Unique No: 10820497
Signed: Jonathan Hester
Report Date: 12 Jan 2024



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GRAPHS

