



CONSTRUCTION EQUIPMENT

W07012977 PRIMARY CO TAKEUCHI TL12V2 412006298 - DIESEL ENGINE



Sample No: VCP367963
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07012977 PRIMARY CO



SAMPLE INFORMATION

Sample Number	VCP367963	---	---	---
Sample Date	23 Jun 2023	---	---	---
Machine Hours	73	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.2	---	---	---
Base Number (BN)	mg KOH/g	■ 9.4	---	---	---
Oxidation (PA)	%	■ 36	---	---	---

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. Sodium and/or potassium levels are high. Light fuel dilution occurring. 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

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 53	---	---	---
Sulfation (PA)	%	■ 41	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 3.1	---	---	---
Silicon	ppm	■ 22	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	▲ 139	---	---	---



WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 147	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 2762	---	---	---
Magnesium	ppm	■ 77	---	---	---
Zinc	ppm	■ 616	---	---	---
Phosphorus	ppm	■ 505	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 184	---	---	---

Depot: VOLVO8882
Unique No: 10545732
Signed: Jonathan Hester
Report Date: 07 Jul 2023



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GRAPHS

