



CONSTRUCTION EQUIPMENT

W07013909-1 LANDSCAP TAKEUCHI TB216 216103245 - DIESEL ENGINE



Sample No: VCP409468
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07013909-1 LANDSCAP



SAMPLE INFORMATION

Sample Number	VCP409468	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	52	---	---	---
Oil Hours	52	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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

OIL CONDITION

Visc @ 100°C	cSt	▲ 9.8	---	---	---
Base Number (BN)	mg KOH/g	■ 12.2	---	---	---
Oxidation (PA)	%	35	---	---	---

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. Elemental level of silicon (Si) above normal indicating ingress of seal material. Light fuel dilution occurring. 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 %	%	■ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.1	---	---	---
Silicon	ppm	▲ 91	---	---	---
Sodium	ppm	■ 25	---	---	---
Potassium	ppm	■ 6	---	---	---

WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 27	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 114	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3677	---	---	---
Magnesium	ppm	■ 59	---	---	---
Zinc	ppm	■ 1221	---	---	---
Phosphorus	ppm	■ 1029	---	---	---
Barium	ppm	■ 19	---	---	---
Boron	ppm	■ 54	---	---	---

Depot: VOLVO8882
Unique No: 10769479
Signed: Jonathan Hester
Report Date: 11 Dec 2023



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GRAPHS

