



CONSTRUCTION EQUIPMENT

ALSPACH CONSTRUCTION TAKEUCHI TB225 122600049 - DIESEL ENGINE



Sample No: VCP414750
Oil Type: TAKEUCHI 15W40
Job No: ALSPACH CONSTRUCTION



SAMPLE INFORMATION

Sample Number	VCP414750	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	719	---	---	---
Oil Hours	719	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 11.3	---	---	---
Oxidation (PA)	%	76	---	---	---

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. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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 %	%	■ 0.7	---	---	---
Nitration (PA)	%	140	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.0	---	---	---
Silicon	ppm	▲ 76	---	---	---
Sodium	ppm	■ 28	---	---	---
Potassium	ppm	■ 7	---	---	---

WEAR METALS

Iron	ppm	■ 160	---	---	---
Copper	ppm	■ 30	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 147	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 5187	---	---	---
Magnesium	ppm	■ 28	---	---	---
Zinc	ppm	■ 1712	---	---	---
Phosphorus	ppm	■ 1324	---	---	---
Barium	ppm	■ 22	---	---	---
Boron	ppm	■ 26	---	---	---

Depot: VOLVO0093
Unique No: 10688803
Signed: Jonathan Hester
Report Date: 16 Oct 2023



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GRAPHS

