



CONSTRUCTION EQUIPMENT

SESI TAKEUCHI TL10 201002821 - DIESEL ENGINE



Sample No: VCP384031
Oil Type: NOT GIVEN
Job No: SESI



SAMPLE INFORMATION

Sample Number	VCP384031	---	---	---
Sample Date	16 Dec 2022	---	---	---
Machine Hours	2952	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 16.2	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	92	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1.6	---	---	---
Nitration (PA)	%	113	---	---	---
Sulfation (PA)	%	80	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 73	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 9	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	▲ 121	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 54	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 81	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2553	---	---	---
Magnesium	ppm	█ 206	---	---	---
Zinc	ppm	█ 1366	---	---	---
Phosphorus	ppm	█ 1097	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 55	---	---	---

Depot: VOLVO8529
Unique No: 10272161
Signed: Don Baldrige
Report Date: 30 Dec 2022



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GRAPHS

