



CONSTRUCTION EQUIPMENT

ROWE FENCE TAKEUCHI TL8 200803881 - DIESEL ENGINE



Sample No: VCP447957
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: ROWE FENCE



SAMPLE INFORMATION

Sample Number	VCP447957	VCP394404	---	---
Sample Date	13 Dec 2023	07 Mar 2023	---	---
Machine Hours	2229	1867	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.9	▲ 11.8	---	---
Base Number (BN)	mg KOH/g	■ 6.5	■ 4.7	---	---
Oxidation (PA)	%	80	85	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.3	■ 0.4	---	---
Nitration (PA)	%	93	103	---	---
Sulfation (PA)	%	58	74	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 6.0	● 9.0	---	---
Silicon	ppm	■ 4	■ 6	---	---
Sodium	ppm	■ 3	■ 4	---	---
Potassium	ppm	■ 0	■ 1	---	---



WEAR METALS

Iron	ppm	■ 12	■ 37	---	---
Copper	ppm	■ 1	■ 9	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 0	■ <1	---	---
Molybdenum	ppm	■ 42	■ 75	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	■ 0	■ 0	---	---
Silver	ppm	■ 0	■ <1	---	---
Manganese	ppm	■ 0	■ 2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	■ 1193	■ 2076	---	---
Magnesium	ppm	■ 606	■ 42	---	---
Zinc	ppm	■ 790	■ 1147	---	---
Phosphorus	ppm	■ 579	■ 870	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 23	■ 16	---	---

Depot: VOLVO8882
Unique No: 10805142
Signed: Wes Davis
Report Date: 29 Dec 2023



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GRAPHS

