



CONSTRUCTION EQUIPMENT

W03006932 EARTH RES TAKEUCHI TL8 200809942 - DIESEL ENGINE



Sample No: VCP409439
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W03006932 EARTH RES



SAMPLE INFORMATION

Sample Number	VCP409439	---	---	---
Sample Date	03 Aug 2023	---	---	---
Machine Hours	728	---	---	---
Oil Hours	357	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 7.8	---	---	---
Oxidation (PA)	%	■ 53	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 62	---	---	---
Sulfation (PA)	%	■ 50	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 2.9	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 4	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 1402	---	---	---
Magnesium	ppm	■ 508	---	---	---
Zinc	ppm	■ 1056	---	---	---
Phosphorus	ppm	■ 836	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 44	---	---	---

Depot: MCCFRE
Unique No: 10588453
Signed: Wes Davis
Report Date: 08 Aug 2023



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VOLVO GRAPHS

