



CONSTRUCTION EQUIPMENT

7214 SEPTIC WORKS TAKEUCHI TL12R2 412105570 - DIESEL ENGINE



Sample No: VCP409466
Oil Type: VALVOLINE 15W40
Job No: 7214 SEPTIC WORKS



SAMPLE INFORMATION

Sample Number	VCP409466	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	239	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 8.7	---	---	---
Oxidation (PA)	%	42	---	---	---

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. Sodium and/or potassium levels are high. Test for glycol is negative. 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.

CONTAMINATION

Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.1	---	---	---
Silicon	ppm	■ 30	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	▲ 183	---	---	---

WEAR METALS

Iron	ppm	■ 46	---	---	---
Copper	ppm	■ 42	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 186	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3260	---	---	---
Magnesium	ppm	■ 86	---	---	---
Zinc	ppm	■ 738	---	---	---
Phosphorus	ppm	■ 623	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 196	---	---	---

Depot: MCCFRE
Unique No: 10672668
Signed: Jonathan Hester
Report Date: 04 Oct 2023



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GRAPHS

