



CONSTRUCTION EQUIPMENT

TAKEUCHI TL12R2 412106489 - DIESEL ENGINE



Sample No: VCP409456
Oil Type: VALVOLINE SYNTHETIC 10W30
Job No:



SAMPLE INFORMATION

Sample Number	VCP409456	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	166	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - FREDERICKSBURG
 358 KINGS HWY
 FREDERICKSBURG, VA
 US 22405
 Contact: TIM LAMBERT
 tlambert@mcclung-logan.com
 T: (540)684-4339
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 10.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	37	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	▲ 134	---	---	---



WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 150	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2831	---	---	---
Magnesium	ppm	█ 100	---	---	---
Zinc	ppm	█ 684	---	---	---
Phosphorus	ppm	█ 546	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 145	---	---	---

Depot: MCCFRE
Unique No: 10767399
Signed: Jonathan Hester
Report Date: 05 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

