



# CONSTRUCTION EQUIPMENT

JUSTIN S. S&S LANDSC TAKEUCHI TL8R2 408006097 - DIESEL ENGINE



**Sample No:** VCP409476  
**Oil Type:** VALVOLINE 15W40  
**Job No:** JUSTIN S. S&S LANDSC



## SAMPLE INFORMATION

Sample Number	VCP409476	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	71	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - FREDERICKSBURG  
358 KINGS HWY  
FREDERICKSBURG, VA  
US 22405  
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T:  
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## OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 7.0	---	---	---
Oxidation (PA)	%	■ 44	---	---	---

## 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. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



## CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 63	---	---	---
Sulfation (PA)	%	■ 47	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 26	---	---	---
Potassium	ppm	■ 1	---	---	---



## WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 57	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ 0	---	---	---



## ADDITIVES

Calcium	ppm	■ 2382	---	---	---
Magnesium	ppm	■ 27	---	---	---
Zinc	ppm	■ 1019	---	---	---
Phosphorus	ppm	■ 875	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 5	---	---	---

**Depot:** MCCFRE  
**Unique No:** 10962683  
**Signed:** Jonathan Hester  
**Report Date:** 08 Apr 2024



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## GRAPHS

