



# CONSTRUCTION EQUIPMENT

74852 LAKE CONWAY TAKEUCHI TB225 122600181 - DIESEL ENGINE



**Sample No:** VCP445675  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** 74852 LAKE CONWAY



## SAMPLE INFORMATION

Sample Number	<b>VCP445675</b>	VCP389614	VCP340453	---
Sample Date	<b>18 Feb 2024</b>	21 Oct 2022	21 Jul 2022	---
Machine Hours	<b>811</b>	366	269	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
8418 PALM RIVER ROAD  
TAMPA, FL  
US 33619  
Contact: KENNY HANEY  
khaney@flaglerce.com  
T: (813)630-0077  
F: (813)630-2233



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.1</b>	13.1	10.8	---
Base Number (BN)	mg KOH/g	<b>6.7</b>	11.9	13.3	---
Oxidation (PA)	%	<b>54</b>	84	51	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.4</b>	0.2	0.3	---
Nitration (PA)	%	<b>73</b>	58	64	---
Sulfation (PA)	%	<b>53</b>	64	54	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.3	---
Silicon	ppm	<b>9</b>	17	69	---
Sodium	ppm	<b>4</b>	4	21	---
Potassium	ppm	<b>0</b>	<1	3	---



## WEAR METALS

Iron	ppm	<b>51</b>	22	66	---
Copper	ppm	<b>2</b>	2	16	---
Lead	ppm	<b>0</b>	0	1	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	5	10	---
Chromium	ppm	<b>&lt;1</b>	<1	1	---
Molybdenum	ppm	<b>12</b>	45	103	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>2224</b>	1812	3882	---
Magnesium	ppm	<b>84</b>	472	131	---
Zinc	ppm	<b>972</b>	1091	1388	---
Phosphorus	ppm	<b>851</b>	894	1148	---
Barium	ppm	<b>0</b>	0	14	---
Boron	ppm	<b>11</b>	54	59	---

**Depot:** VOLVO0093  
**Unique No:** 10896442  
**Signed:** Wes Davis  
**Report Date:** 25 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

