



# CONSTRUCTION EQUIPMENT

301300-20 JHS BUILD TAKEUCHI TB235 123600202 - DIESEL ENGINE



**Sample No:** VCP420603  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 301300-20 JHS BUILD



## SAMPLE INFORMATION

Sample Number	VCP420603	VCP323557	---	---
Sample Date	25 Jul 2023	13 May 2021	---	---
Machine Hours	2419	1058	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
5151 DR MARTIN LUTHER KING BLVD  
FORT MYERS, FL  
US 33905  
Contact: TODD LARK  
tlark@altaequipfl.com  
T:  
F: (239)481-3302



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	84	88	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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

Soot %	%	█ 1.3	█ 0.8	---	---
Nitration (PA)	%	101	74	---	---
Sulfation (PA)	%	62	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 5	---	---
Sodium	ppm	█ 4	█ 3	---	---
Potassium	ppm	█ 0	█ 1	---	---



## WEAR METALS

Iron	ppm	█ 55	█ 27	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 7	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 4	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 95	█ 42	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



## ADDITIVES

Calcium	ppm	█ 1740	█ 1774	---	---
Magnesium	ppm	█ 547	█ 515	---	---
Zinc	ppm	█ 1108	█ 1126	---	---
Phosphorus	ppm	█ 850	█ 925	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 41	█ 49	---	---

**Depot:** VOLVO0090  
**Unique No:** 10577373  
**Signed:** Wes Davis  
**Report Date:** 31 Jul 2023



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## GRAPHS

