



CONSTRUCTION EQUIPMENT

SWA443779 TAKEUCHI TL10V2 410004617 - DIESEL ENGINE



Sample No: VCP441331
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA443779



SAMPLE INFORMATION

Sample Number	VCP441331	VCP420586	---	---
Sample Date	10 Jan 2024	03 Jul 2023	---	---
Machine Hours	0	1060	---	---
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	█ 13.4	█ 15.4	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 6.5	---	---
Oxidation (PA)	%	90	134	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 1.2	---	---
Nitration (PA)	%	72	133	---	---
Sulfation (PA)	%	65	88	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 11	---	---
Sodium	ppm	█ 3	█ 52	---	---
Potassium	ppm	█ <1	█ 3	---	---



WEAR METALS

Iron	ppm	█ 8	█ 92	---	---
Copper	ppm	█ 10	█ 69	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 3	█ 6	---	---
Chromium	ppm	█ <1	█ 3	---	---
Molybdenum	ppm	█ 42	█ 62	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1748	█ 2792	---	---
Magnesium	ppm	█ 524	█ 654	---	---
Zinc	ppm	█ 1271	█ 2032	---	---
Phosphorus	ppm	█ 978	█ 1594	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 29	█ 12	---	---

Depot: VOLVO0090
Unique No: 10830452
Signed: Wes Davis
Report Date: 12 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

