



CONSTRUCTION EQUIPMENT

W07013732-1 CEC AVANT 745 7136013748 - DIESEL ENGINE



Sample No: VCP415472
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: W07013732-1 CEC



SAMPLE INFORMATION

Sample Number	VCP415472	VCP358969	---	---
Sample Date	10 Nov 2023	27 Oct 2022	---	---
Machine Hours	1504	1256	---	---
Oil Hours	0	200	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFF
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611



OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 5.8	█ 7.8	---	---
Oxidation (PA)	%	40	53	---	---

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 %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	72	---	---
Sulfation (PA)	%	43	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 4	█ 5	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 3	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 12	█ 68	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 2177	█ 2299	---	---
Magnesium	ppm	█ 120	█ 28	---	---
Zinc	ppm	█ 1156	█ 1189	---	---
Phosphorus	ppm	█ 953	█ 1005	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 9	█ 57	---	---

Depot: VOLVO8882
Unique No: 10741870
Signed: Sean Felton
Report Date: 16 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

