



CONSTRUCTION EQUIPMENT

CHARLIE WELLS VOLVO A30F 82166 - DIESEL ENGINE



Sample No: VCP293161
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: CHARLIE WELLS



SAMPLE INFORMATION

Sample Number	VCP293161	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	13136	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - SALEM
2025 COOK DRIVE
SALEM, VA
US 24153
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F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 10.6	---	---	---
Oxidation (PA)	%	76	---	---	---

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	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1631	---	---	---
Magnesium	ppm	█ 478	---	---	---
Zinc	ppm	█ 899	---	---	---
Phosphorus	ppm	█ 743	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 75	---	---	---

Depot: VOLVO9010
Unique No: 10764056
Signed: Wes Davis
Report Date: 29 Nov 2023



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GRAPHS

