



CONSTRUCTION EQUIPMENT

67269 HITACHI ZW180 05830 - DIESEL ENGINE



Sample No: VCP429520
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 67269



SAMPLE INFORMATION

Sample Number	VCP429520	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	2196	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT - ATLANTA
5710 RIVERVIEW RD
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	79	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.9	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1556	---	---	---
Magnesium	ppm	467	---	---	---
Zinc	ppm	█ 892	---	---	---
Phosphorus	ppm	█ 824	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 39	---	---	---

Depot: COWMAB
Unique No: 10728558
Signed: Wes Davis
Report Date: 08 Nov 2023



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GRAPHS

