



CONSTRUCTION EQUIPMENT

SWO072841 BALDWIN ASTEC RP-190E 4007 - DIESEL ENGINE



Sample No: VCP438631
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWO072841 BALDWIN



SAMPLE INFORMATION

Sample Number	VCP438631	---	---	---
Sample Date	11 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD
 MABLETON, GA
 US 30126
 Contact: HUNTER PARKER
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 T: (404)696-7210
 F:



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.4	---	---	---
Oxidation (PA)	%	61	---	---	---

Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 4.7	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 17	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 81	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1269	---	---	---
Magnesium	ppm	■ 343	---	---	---
Zinc	ppm	■ 1092	---	---	---
Phosphorus	ppm	■ 839	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 425	---	---	---

Depot: COWMAB
Unique No: 11077124
Signed: Jonathan Hester
Report Date: 19 Jun 2024



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GRAPHS

