



# CONSTRUCTION EQUIPMENT

SWO061719 LORIS TRAN BOMAG GW120 101880571055 - DIESEL ENGINE



**Sample No:** VCP376323  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SWO061719 LORIS TRAN



## SAMPLE INFORMATION

Sample Number	VCP376323	---	---	---
Sample Date	27 Apr 2023	---	---	---
Machine Hours	572	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD  
 MABLETON, GA  
 US 30126

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## OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 5.8	---	---	---
Oxidation (PA)	%	83	---	---	---

### Diagnosis

We advise that you check for possible coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	100	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 30	---	---	---
Sodium	ppm	▲ 71	---	---	---
Potassium	ppm	▲ 223	---	---	---



## WEAR METALS

Iron	ppm	█ 199	---	---	---
Copper	ppm	█ 41	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 56	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 26	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 2827	---	---	---
Magnesium	ppm	█ 211	---	---	---
Zinc	ppm	█ 1371	---	---	---
Phosphorus	ppm	█ 1130	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 28	---	---	---

**Depot:** COWMAB  
**Unique No:** 10446917  
**Signed:** Jonathan Hester  
**Report Date:** 02 May 2023



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## GRAPHS

