



CONSTRUCTION EQUIPMENT

633489 BERGMANN C815S 6496 - DIESEL ENGINE



Sample No: VCP432197
Oil Type: BERGMANN 15W40
Job No: 633489



SAMPLE INFORMATION

Sample Number	VCP432197	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	566	---	---	---
Oil Hours	566	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	72	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 %	%	█ 1.2	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 30	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 149	---	---	---
Copper	ppm	█ 64	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2851	---	---	---
Magnesium	ppm	█ 168	---	---	---
Zinc	ppm	█ 1043	---	---	---
Phosphorus	ppm	█ 835	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 153	---	---	---

Depot: RIPTAM
Unique No: 10764769
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

