



CONSTRUCTION EQUIPMENT

BERGMANN C815S 5704 - DIESEL ENGINE



Sample No: VCP420009
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP420009	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	1472	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: DEWAYNE BEARD
 DBeard@flaglerce.com
 T: (239)481-8554
 F: (239)481-3302



OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	94	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. 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 %	%	█ 1.6	---	---	---
Nitration (PA)	%	108	---	---	---
Sulfation (PA)	%	72	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 131	---	---	---
Copper	ppm	█ 75	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 53	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2055	---	---	---
Magnesium	ppm	█ 506	---	---	---
Zinc	ppm	█ 1232	---	---	---
Phosphorus	ppm	█ 937	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 75	---	---	---

Depot: VOLVO0090
Unique No: 10649641
Signed: Sean Felton
Report Date: 20 Sep 2023



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GRAPHS

