



CONSTRUCTION EQUIPMENT

S&A SCRAP SENNEBOGEN 818 818.5.2881 - DIESEL ENGINE



Sample No: VCP407144
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S&A SCRAP



SAMPLE INFORMATION

Sample Number	VCP407144	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	2892	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

GREEN MACHINE SERVICES LLC

13 SPYROS DRIVE
 SOUTH AMBOY, NJ
 US 08879

Contact: JOE GRZANKOWSKI
 JOE@GREENMSRV.COM

T: (732)673-5920
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 15.3	---	---	---
Base Number (BN)	mg KOH/g	█ 6.5	---	---	---
Oxidation (PA)	%	█ 143	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 condition of the oil is acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 2.8	---	---	---
Nitration (PA)	%	█ 142	---	---	---
Sulfation (PA)	%	█ 93	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 5	---	---	---



WEAR METALS

Iron	ppm	▲ 105	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

Calcium	ppm	█ 1900	---	---	---
Magnesium	ppm	█ 560	---	---	---
Zinc	ppm	█ 1267	---	---	---
Phosphorus	ppm	█ 985	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 28	---	---	---

Depot: GRESOUNJ
Unique No: 10675067
Signed: Doug Bogart
Report Date: 04 Oct 2023



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GRAPHS

