



CONSTRUCTION EQUIPMENT

GAETE SENNEBOGEN 821 821.0.2583 - DIESEL ENGINE



Sample No: VCP416462
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: GAETE



SAMPLE INFORMATION

Sample Number	VCP416462	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	2563	---	---	---
Oil Hours	50	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	49	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	46	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 73	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1817	---	---	---
Magnesium	ppm	█ 134	---	---	---
Zinc	ppm	█ 1105	---	---	---
Phosphorus	ppm	█ 921	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 75	---	---	---

Depot: GRESOUNJ
Unique No: 10835356
Signed: Wes Davis
Report Date: 19 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

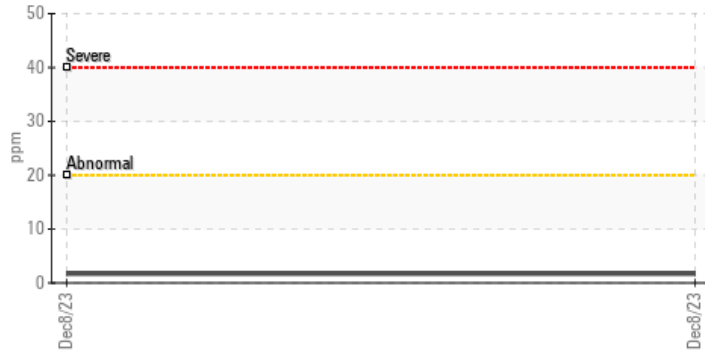
Iron (ppm)



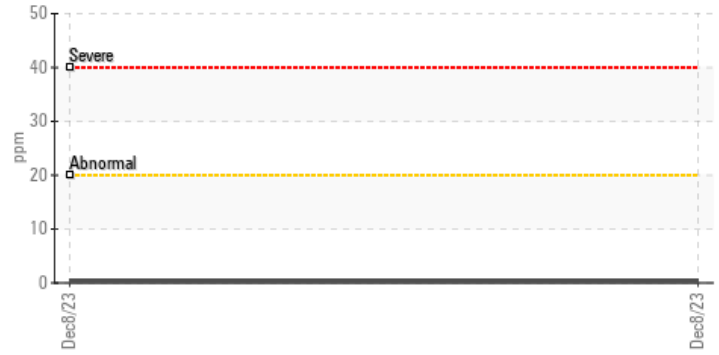
Lead (ppm)



Aluminum (ppm)



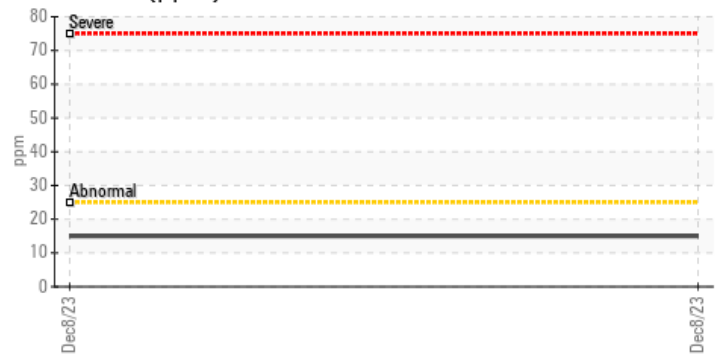
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

