



CONSTRUCTION EQUIPMENT

GOLF RENTAL DEUTZ NOT GIVEN VCP401174 (S/N NO INFO ON SIF/BOTTLE) - DIESEL ENGINE



Sample No: VCP401174
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: GOLF RENTAL



SAMPLE INFORMATION

Sample Number	VCP401174	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
5151 DR MARTIN LUTHER KING BLVD
FORT MYERS, FL
US 33905
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OIL CONDITION

Visc @ 100°C	cSt	█ 15.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	91	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	86	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 50	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 30	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 43	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1759	---	---	---
Magnesium	ppm	█ 1033	---	---	---
Zinc	ppm	█ 1533	---	---	---
Phosphorus	ppm	█ 1179	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 12	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10649645
Signed: Don Baldrige
Report Date: 20 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

