



CONSTRUCTION EQUIPMENT

W07014050 RYAN VOLVO A45G 353598 - DIESEL ENGINE



Sample No: VCP399844
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: W07014050 RYAN



SAMPLE INFORMATION

Sample Number	VCP399844	VCP407993	---	---
Sample Date	01 Jan 2024	28 Dec 2023	---	---
Machine Hours	886	885	---	---
Oil Hours	30	270	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.6	▲ 11.8	---	---
Base Number (BN)	mg KOH/g	■ 10.4	■ 6.5	---	---
Oxidation (PA)	%	43	65	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.2	■ 0.2	---	---
Nitration (PA)	%	53	76	---	---
Sulfation (PA)	%	46	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	■ 0.9	■ 0.9	---	---
Silicon	ppm	■ 8	■ 8	---	---
Sodium	ppm	■ 3	■ 2	---	---
Potassium	ppm	■ 0	■ 0	---	---



WEAR METALS

Iron	ppm	■ 6	■ 8	---	---
Copper	ppm	■ 103	■ 100	---	---
Lead	ppm	■ 1	■ 2	---	---
Tin	ppm	■ 2	■ 2	---	---
Aluminum	ppm	■ 3	■ 2	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	127	■ 125	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	0	■ 0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	■ 1521	■ 1597	---	---
Magnesium	ppm	■ 606	■ 603	---	---
Zinc	ppm	■ 1010	■ 1001	---	---
Phosphorus	ppm	■ 865	■ 839	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 76	■ 70	---	---

Depot: VOLVO8882
Unique No: 10820498
Signed: Jonathan Hester
Report Date: 12 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

