



CONSTRUCTION EQUIPMENT

6856 VOLVO A40G 752049 - DIESEL ENGINE



Sample No: VCP411951
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 6856



SAMPLE INFORMATION

Sample Number	VCP411951	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	503	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

JUNCTION CITY MINING
 2158 PACKING HOUSE RD
 TALBOTTON, GA
 US 31827
 Contact:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	82	---	---	---

T:
F:

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	█ 0.3	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1630	---	---	---
Magnesium	ppm	█ 487	---	---	---
Zinc	ppm	█ 1106	---	---	---
Phosphorus	ppm	█ 896	---	---	---
Barium	ppm	█ 11	---	---	---
Boron	ppm	█ 29	---	---	---

Depot: JUNTAL
Unique No: 10782861
Signed: Wes Davis
Report Date: 14 Dec 2023



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GRAPHS

