



CONSTRUCTION EQUIPMENT

50196 A.L. GRADING - DIESEL ENGINE



Sample No: VCP405160
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 50196 A.L. GRADING



367 - ASCENDUM MACHINERY INC - BUFORD
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SAMPLE INFORMATION

Sample Number	VCP405160	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	12602	---	---	---
Oil Hours	912	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	78	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.4	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1713	---	---	---
Magnesium	ppm	█ 493	---	---	---
Zinc	ppm	█ 1138	---	---	---
Phosphorus	ppm	█ 950	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 56	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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.

Depot: VOLVO8529
Unique No: 10737070
Signed: Doug Bogart
Report Date: 22 Nov 2023



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GRAPHS

