



CONSTRUCTION EQUIPMENT

CITY OF TAMPA VOLVO L180H 632187 - DIESEL ENGINE



Sample No: VCP436026
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: CITY OF TAMPA



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SAMPLE INFORMATION

Sample Number	VCP436026	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	6333	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	82	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1649	---	---	---
Magnesium	ppm	█ 514	---	---	---
Zinc	ppm	█ 1110	---	---	---
Phosphorus	ppm	█ 899	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 29	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
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.

Depot: VOLVO0093
Unique No: 10776008
Signed: Wes Davis
Report Date: 07 Dec 2023



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GRAPHS

