



# CONSTRUCTION EQUIPMENT

703060 VOLVO L180G 19434 - DIESEL ENGINE



**Sample No:** VCP431419  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 703060



## SAMPLE INFORMATION

Sample Number	VCP431419	VCP410697	---	---
Sample Date	25 Apr 2024	04 Apr 2023	---	---
Machine Hours	19901	19418	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

## FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE  
 DETROIT, MI  
 US 48207

Contact: KEITH HALL  
 keith.hall@fpt1.com

T:  
 F:



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 7.2	█ 5.5	---	---
Oxidation (PA)	%	56	55	---	---

## Diagnosis

Resample at the next service interval to monitor. 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.



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	71	73	---	---
Sulfation (PA)	%	53	49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 14	---	---
Sodium	ppm	█ <1	█ 5	---	---
Potassium	ppm	█ <1	█ 0	---	---



## WEAR METALS

Iron	ppm	█ 11	█ 25	---	---
Copper	ppm	█ <1	█ 8	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 7	█ 3	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 75	█ 68	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1813	█ 1172	---	---
Magnesium	ppm	█ 297	█ 880	---	---
Zinc	ppm	█ 1179	█ 1204	---	---
Phosphorus	ppm	█ 965	█ 1011	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 29	█ 19	---	---

**Depot:** FERDET  
**Unique No:** 11007254  
**Signed:** Wes Davis  
**Report Date:** 03 May 2024



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## GRAPHS

