



CONSTRUCTION EQUIPMENT

53531 HERC VOLVO L30G 3224697 - DIESEL ENGINE



Sample No: VCP411926
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 53531 HERC



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SAMPLE INFORMATION

Sample Number	VCP411926	---	---	---
Sample Date	25 Aug 2023	---	---	---
Machine Hours	526	---	---	---
Oil Hours	20	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	51	---	---	---



CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 69	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1909	---	---	---
Magnesium	ppm	█ 404	---	---	---
Zinc	ppm	█ 1248	---	---	---
Phosphorus	ppm	█ 1053	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 60	---	---	---

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.

Depot: VOLVO0157
Unique No: 10621106
Signed: Wes Davis
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

