



CONSTRUCTION EQUIPMENT

12829 VOLVO L180H 4055 - DIESEL ENGINE



Sample No: VCP442479
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 12829



536 - ASCENDUM MACHINERY INC - CHATTANOOGA
 7829 LEE HWY
 CHATTANOOGA, TN
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SAMPLE INFORMATION

Sample Number	VCP442479	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	8421	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	67	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 119	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1569	---	---	---
Magnesium	ppm	█ 635	---	---	---
Zinc	ppm	█ 867	---	---	---
Phosphorus	ppm	█ 768	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 386	---	---	---

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.

Depot: VOLVO0117
Unique No: 11031009
Signed: Sean Felton
Report Date: 17 May 2024



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GRAPHS

