



CONSTRUCTION EQUIPMENT

567315 MOTOR CITY VOLVO L220H 3365 - DIESEL ENGINE



Sample No: VCP401143
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 567315 MOTOR CITY



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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SAMPLE INFORMATION

Sample Number	VCP401143	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	1996	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 11.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	80	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 82	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1717	---	---	---
Magnesium	ppm	█ 572	---	---	---
Zinc	ppm	█ 1007	---	---	---
Phosphorus	ppm	█ 817	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 65	---	---	---

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: VOLVO2990
Unique No: 10545729
Signed: Wes Davis
Report Date: 05 Jul 2023



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GRAPHS

