



CONSTRUCTION EQUIPMENT

SPM729025 HERC VOLVO A30G 753410 - DIESEL ENGINE



Sample No: VCP439822
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM729025 HERC



SAMPLE INFORMATION

Sample Number	VCP439822	---	---	---
Sample Date	10 Jun 2024	---	---	---
Machine Hours	1725	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	● 12.0	---	---	---
Base Number (BN)	mg KOH/g	■ 7.2	---	---	---
Oxidation (PA)	%	62	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 67	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	▲ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1307	---	---	---
Magnesium	ppm	761	---	---	---
Zinc	ppm	■ 1123	---	---	---
Phosphorus	ppm	■ 977	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0095
Unique No: 11087195
Signed: Don Baldrige
Report Date: 21 Jun 2024



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GRAPHS

