



CONSTRUCTION EQUIPMENT

SW-32077-2 WINCHESTE VOLVO L60H 62255 - DIESEL ENGINE



Sample No: VCP446564
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-32077-2 WINCHESTE



SAMPLE INFORMATION

Sample Number	VCP446564	VCP382518	---	---
Sample Date	25 Mar 2024	27 Apr 2023	---	---
Machine Hours	2808	2424	---	---
Oil Hours	658	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 8.0	█ 8.0	---	---
Oxidation (PA)	%	█ 63	█ 55	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.5	█ 0.3	---	---
Nitration (PA)	%	█ 70	█ 52	---	---
Sulfation (PA)	%	█ 57	█ 49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 5	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 2	█ <1	---	---



WEAR METALS

Iron	ppm	█ 19	█ 8	---	---
Copper	ppm	█ <1	█ 0	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 1	█ 0	---	---
Aluminum	ppm	▲ 19	█ 10	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 70	█ 59	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1299	█ 1206	---	---
Magnesium	ppm	█ 722	█ 624	---	---
Zinc	ppm	█ 1291	█ 1085	---	---
Phosphorus	ppm	█ 1088	█ 890	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 141	█ 173	---	---

Depot: VOLVO8770
Unique No: 10964412
Signed: Don Baldrige
Report Date: 07 Apr 2024



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GRAPHS

