



CONSTRUCTION EQUIPMENT

SWO139614-2 IAA VOLVO L90H 624270 - DIESEL ENGINE



Sample No: VCP369927
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWO139614-2 IAA



SAMPLE INFORMATION

Sample Number	VCP369927	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	10570	---	---	---
Oil Hours	664	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

THE GW VAN KEPPEL CO.

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	110	---	---	---

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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1.2	---	---	---
Nitration (PA)	%	117	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 18	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2099	---	---	---
Magnesium	ppm	█ 575	---	---	---
Zinc	ppm	█ 1350	---	---	---
Phosphorus	ppm	█ 1063	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

Depot: VOLVO0083
Unique No: 11102464
Signed: Jonathan Hester
Report Date: 02 Jul 2024



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GRAPHS

