



CONSTRUCTION EQUIPMENT

129357 IAA VOLVO L90H 626672 - DIESEL ENGINE



Sample No: VCP420728
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 129357 IAA



THE GW VAN KEPPEL COMPANY
 8233 WEST RENO
 OKLAHOMA CITY, OK
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SAMPLE INFORMATION

Sample Number	VCP420728	---	---	---
Sample Date	23 Aug 2023	---	---	---
Machine Hours	1154	---	---	---
Oil Hours	1154	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	105	---	---	---



CONTAMINATION

Soot %	%	█ 1.4	---	---	---
Nitration (PA)	%	116	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 93	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 9	---	---	---
Tin	ppm	█ 6	---	---	---
Aluminum	ppm	█ 22	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1501	---	---	---
Magnesium	ppm	█ 561	---	---	---
Zinc	ppm	█ 1059	---	---	---
Phosphorus	ppm	█ 814	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

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 acceptable for the time in service.

Depot: VOLVO0052
Unique No: 10622194
Signed: Sean Felton
Report Date: 29 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

