



CONSTRUCTION EQUIPMENT

568048 VOLVO L90H 624448 - DIESEL ENGINE



Sample No: VCP427122
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 568048



SAMPLE INFORMATION

Sample Number	VCP427122	VCP375124	---	---
Sample Date	24 Jun 2023	14 Jul 2022	---	---
Machine Hours	10718	9108	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

FORESTRY RESOURCES
 4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER



OIL CONDITION

Visc @ 100°C	cSt	█ 15.0	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 7.7	█ 11.7	---	---
Oxidation (PA)	%	97	90	---	---

T: (239)872-1856
 F:

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

Soot %	%	█ 1.1	█ 0.4	---	---
Nitration (PA)	%	105	73	---	---
Sulfation (PA)	%	70	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 5	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

Iron	ppm	█ 37	█ 12	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 15	█ 4	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 48	█ 48	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 2187	█ 1650	---	---
Magnesium	ppm	█ 525	█ 521	---	---
Zinc	ppm	█ 1383	█ 1122	---	---
Phosphorus	ppm	█ 1078	█ 879	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 17	█ 30	---	---

Depot: FORFOTFL
Unique No: 10545738
Signed: Wes Davis
Report Date: 05 Jul 2023



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GRAPHS

