



CONSTRUCTION EQUIPMENT

VOLVO L90H 624518 - DIESEL ENGINE



Sample No: VCP318558
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP318558	VCP362216	---	---
Sample Date	22 Sep 2023	11 Aug 2023	---	---
Machine Hours	13591	12325	---	---
Oil Hours	13591	750	---	---
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	12.6	12.9	---	---
Base Number (BN)	mg KOH/g	9.8	8.2	---	---
Oxidation (PA)	%	77	71	---	---

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 %	%	0.2	0.2	---	---
Nitration (PA)	%	59	73	---	---
Sulfation (PA)	%	58	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	14	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	13	21	---	---
Copper	ppm	3	8	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	3	4	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	59	55	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1863	1796	---	---
Magnesium	ppm	581	483	---	---
Zinc	ppm	1280	1238	---	---
Phosphorus	ppm	1017	1010	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	38	29	---	---

Depot: FORFOTFL
Unique No: 10701298
Signed: Wes Davis
Report Date: 20 Oct 2023



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GRAPHS

