



CONSTRUCTION EQUIPMENT

12495 PRIORITY WASTE VOLVO L90H 626257 - DIESEL ENGINE



Sample No: VCP379656
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 12495 PRIORITY WASTE



SAMPLE INFORMATION

Sample Number	VCP379656	VCP363973	---	---
Sample Date	02 Sep 2023	26 Aug 2022	---	---
Machine Hours	4047	997	---	---
Oil Hours	4047	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.8	---	---
Base Number (BN)	mg KOH/g	9.3	10.9	---	---
Oxidation (PA)	%	75	82	---	---

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 %	%	0.6	0.6	---	---
Nitration (PA)	%	66	73	---	---
Sulfation (PA)	%	60	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	21	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	15	49	---	---
Copper	ppm	<1	9	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	1	4	---	---
Aluminum	ppm	5	15	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	47	38	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1704	1504	---	---
Magnesium	ppm	531	574	---	---
Zinc	ppm	1209	1117	---	---
Phosphorus	ppm	1008	900	---	---
Barium	ppm	0	4	---	---
Boron	ppm	37	31	---	---

Depot: VOLVO0117
Unique No: 10646600
Signed: Wes Davis
Report Date: 15 Sep 2023



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GRAPHS

