



CONSTRUCTION EQUIPMENT

VOLVO L70H 625046 - DIESEL ENGINE



Sample No: VCP443315
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP443315	VCP433515	---	---
Sample Date	29 May 2024	28 Nov 2023	---	---
Machine Hours	1639	870	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.8	---	---
Base Number (BN)	mg KOH/g	9.4	8.6	---	---
Oxidation (PA)	%	80	75	---	---

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	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	68	65	---	---
Sulfation (PA)	%	59	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	19	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	2	<1	---	---



WEAR METALS

Iron	ppm	21	32	---	---
Copper	ppm	3	9	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	2	3	---	---
Aluminum	ppm	6	16	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	48	50	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1710	1723	---	---
Magnesium	ppm	510	633	---	---
Zinc	ppm	1153	1377	---	---
Phosphorus	ppm	961	1118	---	---
Barium	ppm	0	2	---	---
Boron	ppm	32	65	---	---

Depot: VOLVO0090
Unique No: 11059537
Signed: Wes Davis
Report Date: 04 Jun 2024



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GRAPHS

