



CONSTRUCTION EQUIPMENT

SW-27010-2 RIGID VOLVO L70H 624473 - DIESEL ENGINE



Sample No: VCP434547
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-27010-2 RIGID



SAMPLE INFORMATION

Sample Number	VCP434547	VCP357496	---	---
Sample Date	27 Nov 2023	20 Oct 2022	---	---
Machine Hours	1008	714	---	---
Oil Hours	300	714	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	▲ 12.0	---	---
Base Number (BN)	mg KOH/g	10.0	■ 11.0	---	---
Oxidation (PA)	%	61	80	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	■ 0.4	---	---
Nitration (PA)	%	47	66	---	---
Sulfation (PA)	%	53	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.6	---	---
Silicon	ppm	6	■ 15	---	---
Sodium	ppm	0	■ 2	---	---
Potassium	ppm	1	■ 1	---	---



WEAR METALS

Iron	ppm	34	■ 69	---	---
Copper	ppm	2	■ 7	---	---
Lead	ppm	0	■ <1	---	---
Tin	ppm	<1	■ 3	---	---
Aluminum	ppm	5	■ 23	---	---
Chromium	ppm	2	■ 6	---	---
Molybdenum	ppm	53	■ 37	---	---
Nickel	ppm	<1	■ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	■ 5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1180	■ 1560	---	---
Magnesium	ppm	776	■ 568	---	---
Zinc	ppm	1078	■ 1126	---	---
Phosphorus	ppm	886	■ 889	---	---
Barium	ppm	2	■ 0	---	---
Boron	ppm	17	■ 46	---	---

Depot: VOLVO8770
Unique No: 10767964
Signed: Sean Felton
Report Date: 05 Dec 2023



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GRAPHS

