



CONSTRUCTION EQUIPMENT

W080130-2 VOLVO L60H 622631 - DIESEL ENGINE



Sample No: VCP416861
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: W080130-2



SAMPLE INFORMATION

Sample Number	VCP416861	VCP363112	---	---
Sample Date	15 Dec 2023	16 Aug 2022	---	---
Machine Hours	2489	773	---	---
Oil Hours	2489	773	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.6	---	---
Base Number (BN)	mg KOH/g	10.7	10.8	---	---
Oxidation (PA)	%	78	81	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	53	71	---	---
Sulfation (PA)	%	61	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	16	---	---
Sodium	ppm	<1	6	---	---
Potassium	ppm	1	5	---	---

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.



WEAR METALS

Iron	ppm	23	35	---	---
Copper	ppm	3	7	---	---
Lead	ppm	0	3	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	6	13	---	---
Chromium	ppm	2	5	---	---
Molybdenum	ppm	42	38	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1563	1438	---	---
Magnesium	ppm	526	591	---	---
Zinc	ppm	1100	1088	---	---
Phosphorus	ppm	902	881	---	---
Barium	ppm	10	2	---	---
Boron	ppm	47	45	---	---

Depot: VOLVO0264
Unique No: 10807935
Signed: Wes Davis
Report Date: 29 Dec 2023



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GRAPHS

