



CONSTRUCTION EQUIPMENT

44965 VOLVO L60H 621430 - DIESEL ENGINE



Sample No: VCP408286
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 44965



SAMPLE INFORMATION

Sample Number	VCP408286	VCP407824	VCP336380	VCP307116
Sample Date	15 Jun 2023	09 May 2023	20 Nov 2021	27 Jul 2021
Machine Hours	7942	9849	7942	0
Oil Hours	0	500	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.6	12.8	13.4
Base Number (BN)	mg KOH/g	10.5	7.5	---	---
Oxidation (PA)	%	76	56	84	76

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	0.1	0.2	0.2
Nitration (PA)	%	53	56	64	69
Sulfation (PA)	%	58	52	63	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	5	4
Sodium	ppm	2	2	0	2
Potassium	ppm	<1	2	0	1



WEAR METALS

Iron	ppm	4	3	8	6
Copper	ppm	<1	0	1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	3	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	45	81	39	26
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1700	1725	1788	1533
Magnesium	ppm	531	218	525	570
Zinc	ppm	1171	1225	1109	980
Phosphorus	ppm	939	1028	996	816
Barium	ppm	0	0	0	0
Boron	ppm	74	239	44	68

Depot: VOLVO8531
Unique No: 10660820
Signed: Wes Davis
Report Date: 26 Sep 2023



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VOLVO GRAPHS

