



CONSTRUCTION EQUIPMENT

2383 INTL PAPER VOLVO L60H 622547 - DIESEL ENGINE



Sample No: VCP454011
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 2383 INTL PAPER



SAMPLE INFORMATION

Sample Number	VCP454011	VCP439153	VCP442967	VCP442137
Sample Date	06 Jun 2024	27 Mar 2024	16 Jan 2024	26 Oct 2023
Machine Hours	7102	6598	6047	5517
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.6	13.0	13.1
Base Number (BN)	mg KOH/g	10.2	10.3	9.9	10.7
Oxidation (PA)	%	81	83	82	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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.3	0.3
Nitration (PA)	%	55	58	59	56
Sulfation (PA)	%	62	61	62	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	6	6
Sodium	ppm	<1	3	3	2
Potassium	ppm	1	1	0	0



WEAR METALS

Iron	ppm	5	6	7	5
Copper	ppm	<1	4	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	2	4	3
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	42	42	40	39
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	1701	1898	1754	1740
Magnesium	ppm	499	539	535	519
Zinc	ppm	1146	1233	1206	1273
Phosphorus	ppm	921	998	990	1011
Barium	ppm	0	0	0	0
Boron	ppm	39	36	36	40

Depot: VOLVO4485
Unique No: 11073688
Signed: Wes Davis
Report Date: 13 Jun 2024



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VOLVO GRAPHS

