



CONSTRUCTION EQUIPMENT

VOLVO L60H 622532 - DIESEL ENGINE



Sample No: VCP443028
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP443028	VCP441641	VCP432169	VCP433332
Sample Date	10 Jun 2024	14 Feb 2024	14 Dec 2023	11 Oct 2023
Machine Hours	11558	10530	9859	9385
Oil Hours	0	500	0	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 3518 4TH AVE
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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.4	12.9	13.3
Base Number (BN)	mg KOH/g	9.8	9.8	11.1	7.1
Oxidation (PA)	%	76	78	76	86

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 %	%	0.3	0.4	0.1	0.9
Nitration (PA)	%	58	65	39	88
Sulfation (PA)	%	60	58	60	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	9	8	8	16
Sodium	ppm	0	<1	<1	4
Potassium	ppm	1	0	2	0



WEAR METALS

Iron	ppm	6	6	1	24
Copper	ppm	<1	0	<1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	6	1	9
Chromium	ppm	<1	<1	0	2
Molybdenum	ppm	56	40	35	48
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	1
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	1533	1585	1494	1742
Magnesium	ppm	505	499	440	489
Zinc	ppm	1067	1080	967	1105
Phosphorus	ppm	834	950	846	901
Barium	ppm	0	0	0	0
Boron	ppm	31	25	64	15

Depot: WASTAM
Unique No: 11077129
Signed: Don Baldrige
Report Date: 17 Jun 2024



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VOLVO GRAPHS

