



CONSTRUCTION EQUIPMENT

A12444 VOLVO L150H 5620 - DIESEL ENGINE



Sample No: VCP407249
Oil Type: MOBIL 15W40
Job No: A12444



SAMPLE INFORMATION

Sample Number	VCP407249	VCP409706	VCP428656	VCP409796
Sample Date	10 Apr 2024	15 Feb 2024	05 Jan 2024	23 Feb 2023
Machine Hours	15680	15280	14960	13384
Oil Hours	500	500	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.9	12.9	13.1	13.1
Base Number (BN)	mg KOH/g	6.8	6.8	7.4	8.1
Oxidation (PA)	%	42	39	56	39

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 %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	57	53	45	48
Sulfation (PA)	%	48	45	55	44
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	7	8	7
Sodium	ppm	1	0	0	2
Potassium	ppm	0	3	1	1



WEAR METALS

Iron	ppm	2	3	<1	<1
Copper	ppm	<1	<1	0	2
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	2	3	1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	7	16	103	20
Nickel	ppm	0	0	0	<1
Titanium	ppm	20	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1996	1780	1170	1833
Magnesium	ppm	155	123	724	207
Zinc	ppm	947	875	902	998
Phosphorus	ppm	841	820	763	825
Barium	ppm	0	0	0	0
Boron	ppm	37	17	103	14

Depot: WASTEL
Unique No: 10990951
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

