



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 2268 - DIESEL ENGINE



Sample No: VCP371212
Oil Type: MOBIL 15W40
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP371212	VCP402496	VCP393732	VCP371244
Sample Date	03 Oct 2023	26 Apr 2023	07 Mar 2023	01 Feb 2023
Machine Hours	22421	21868	21489	20986
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.6	12.7	12.6
Base Number (BN)	mg KOH/g	9.5	8.7	9.8	8.7
Oxidation (PA)	%	58	53	57	59



CONTAMINATION

Soot %	%	0.2	0.1	0.2	0.2
Nitration (PA)	%	53	48	57	62
Sulfation (PA)	%	53	47	53	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	3	2
Sodium	ppm	4	<1	2	2
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	9	<1	3	3
Copper	ppm	2	<1	2	2
Lead	ppm	0	0	<1	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	61	55	64	60
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1102	1022	1109	1133
Magnesium	ppm	986	831	904	925
Zinc	ppm	1289	1065	1183	1266
Phosphorus	ppm	1038	874	996	989
Barium	ppm	0	0	2	0
Boron	ppm	5	13	9	11

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.

Depot: VOLVO1835
Unique No: 10699586
Signed: Wes Davis
Report Date: 19 Oct 2023



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VOLVO GRAPHS

