



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 2268 - DIESEL ENGINE



Sample No: VCP440407
Oil Type: MOBIL 15W40
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP440407	VCP440140	VCP429829	VCP401923
Sample Date	28 Mar 2024	26 Feb 2024	26 Jan 2024	26 Dec 2023
Machine Hours	24936	24487	23943	23385
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	MARGINAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.9	▲ 12.2	12.8
Base Number (BN)	mg KOH/g	9.1	9.0	8.6	9.0
Oxidation (PA)	%	55	55	54	58

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	50	53	53	58
Sulfation (PA)	%	51	51	50	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.5	<1.0
Silicon	ppm	2	4	4	3
Sodium	ppm	<1	<1	0	2
Potassium	ppm	0	<1	2	0

WEAR METALS

Iron	ppm	0	3	3	3
Copper	ppm	0	1	2	4
Lead	ppm	0	<1	1	0
Tin	ppm	0	<1	1	<1
Aluminum	ppm	0	2	3	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	72	70	84	67
Nickel	ppm	0	0	1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	1	<1
Vanadium	ppm	0	0	<1	<1

ADDITIVES

Calcium	ppm	1240	1160	1145	1089
Magnesium	ppm	941	930	892	933
Zinc	ppm	1234	1238	1136	1207
Phosphorus	ppm	1081	1075	913	1000
Barium	ppm	0	0	0	0
Boron	ppm	24	18	51	15

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: 10977078
Signed: Wes Davis
Report Date: 15 Apr 2024



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GRAPHS

