



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 2280 - DIESEL ENGINE



Sample No: VCP382206
Oil Type: MOBIL 15W40
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP382206	VCP440139	VCP429831	VCP368338
Sample Date	26 Mar 2024	26 Feb 2024	26 Jan 2024	14 Nov 2023
Machine Hours	23153	22698	22180	21662
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	13.1	13.1	▲ 12.4	13.2
Base Number (BN)	mg KOH/g	9.0	9.6	9.4	9.6
Oxidation (PA)	%	55	55	55	55



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.3
Nitration (PA)	%	51	50	53	51
Sulfation (PA)	%	50	50	50	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.4	<1.0
Silicon	ppm	1	5	3	3
Sodium	ppm	<1	2	0	0
Potassium	ppm	0	1	<1	1



WEAR METALS

Iron	ppm	0	4	4	4
Copper	ppm	0	1	2	1
Lead	ppm	0	<1	1	0
Tin	ppm	0	<1	1	<1
Aluminum	ppm	0	3	3	1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	70	96	66	62
Nickel	ppm	0	0	1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	1	0
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	1218	1670	1104	1108
Magnesium	ppm	992	1462	1010	918
Zinc	ppm	1285	1937	1294	1205
Phosphorus	ppm	1128	1617	1037	984
Barium	ppm	0	0	0	0
Boron	ppm	13	18	6	3

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: 10977080
Signed: Wes Davis
Report Date: 15 Apr 2024



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VOLVO GRAPHS

