



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 2279 - DIESEL ENGINE



Sample No: VCP382210
Oil Type: MOBIL 15W40
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP382210	VCP393757	VCP382522	VCP382510
Sample Date	28 Aug 2023	20 Mar 2023	15 Feb 2023	11 Jan 2023
Machine Hours	19900	19667	19093	18648
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.7	12.8	12.6
Base Number (BN)	mg KOH/g	9.4	9.6	9.3	9.1
Oxidation (PA)	%	55	57	58	55

CONTAMINATION

Soot %	%	0.2	0.5	0.4	0.6
Nitration (PA)	%	50	60	61	60
Sulfation (PA)	%	52	54	53	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	5
Sodium	ppm	2	2	0	<1
Potassium	ppm	<1	<1	2	1

WEAR METALS

Iron	ppm	4	7	6	6
Copper	ppm	<1	<1	1	3
Lead	ppm	0	<1	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	6	10	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	70	63	69	55
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	1210	1112	1140	1190
Magnesium	ppm	957	901	751	893
Zinc	ppm	1275	1183	1049	1268
Phosphorus	ppm	1037	997	882	969
Barium	ppm	0	2	0	0
Boron	ppm	22	6	21	14

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: 10632435
Signed: Wes Davis
Report Date: 06 Sep 2023



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VOLVO GRAPHS

