



CONSTRUCTION EQUIPMENT

VOLVO G720B 37807 - DIESEL ENGINE



Sample No: VCE251151
Oil Type: MYSTIK JT-8 SYN SUPER HD 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCE251151	VCE254036D	VC450431	VC212923
Sample Date	22 Aug 2023	07 Dec 2022	20 Apr 2022	29 Jun 2021
Machine Hours	6486	6214	6000	5750
Oil Hours	272	304	250	269
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.9	12.9	13.3
Base Number (BN)	mg KOH/g	8.8	10.1	9.8	---
Oxidation (PA)	%	55	63	66	71

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

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	52	56	58	60
Sulfation (PA)	%	49	56	55	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	2	2
Sodium	ppm	<1	<1	1	1
Potassium	ppm	<1	<1	0	<1



WEAR METALS

Iron	ppm	3	3	3	4
Copper	ppm	0	<1	<1	<1
Lead	ppm	<1	2	2	2
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	55	59	57	62
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1016	1038	1119	1083
Magnesium	ppm	945	934	996	972
Zinc	ppm	1217	1270	1242	1286
Phosphorus	ppm	983	1043	1060	1049
Barium	ppm	0	0	0	0
Boron	ppm	0	1	2	4

Depot: LIPLIP
Unique No: 10633431
Signed: Sean Felton
Report Date: 08 Sep 2023



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VOLVO GRAPHS

