



CONSTRUCTION EQUIPMENT

SPM703242 BL DUKE SENNOBOGEN 835M 835.0.2625 - DIESEL ENGINE



Sample No: VCP447032
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM703242 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP447032	VCP436309	VCP425313	VCP415212
Sample Date	01 May 2024	15 Mar 2024	18 Oct 2023	12 Sep 2023
Machine Hours	6131	5783	4991	4620
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	MARGINAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	13.1	13.3	11.7
Base Number (BN)	mg KOH/g	8.7	9.0	7.9	5.2
Oxidation (PA)	%	68	65	88	128

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.1	0.1	0.2
Nitration (PA)	%	62	58	63	91
Sulfation (PA)	%	56	54	60	75
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	4.2	7.9
Silicon	ppm	3	8	3	3
Sodium	ppm	<1	0	2	3
Potassium	ppm	3	3	4	10



WEAR METALS

Iron	ppm	3	5	4	14
Copper	ppm	0	<1	<1	<1
Lead	ppm	<1	3	0	0
Tin	ppm	<1	2	0	<1
Aluminum	ppm	2	5	3	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	57	59	54	54
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	1	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	1132	1135	939	1036
Magnesium	ppm	898	962	851	881
Zinc	ppm	1279	1224	1126	1149
Phosphorus	ppm	1031	1082	934	896
Barium	ppm	0	1	7	0
Boron	ppm	<1	2	0	4

Depot: VOLVO8885
Unique No: 11016902
Signed: Wes Davis
Report Date: 08 May 2024



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GRAPHS

