



CONSTRUCTION EQUIPMENT

SPM703240 BL DUKE SENNEBOGEN 835ME 835.0.2810 - DIESEL ENGINE



Sample No: VCP446931
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM703240 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP446931	VCP4363146	VCP416878	VCP410962
Sample Date	03 May 2024	15 Mar 2024	18 Oct 2023	09 Mar 2023
Machine Hours	7652	7652	6955	5516
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	MARGINAL

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.3	12.5	13.5
Base Number (BN)	mg KOH/g	8.4	6.6	5.9	9.0
Oxidation (PA)	%	84	98	104	67

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 %	%	0.1	0.2	0.2	0.1
Nitration (PA)	%	66	88	83	52
Sulfation (PA)	%	60	63	65	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	3.4
Silicon	ppm	2	8	2	3
Sodium	ppm	2	0	<1	<1
Potassium	ppm	0	4	6	<1

WEAR METALS

Iron	ppm	4	12	7	1
Copper	ppm	<1	2	1	<1
Lead	ppm	0	3	0	0
Tin	ppm	0	2	0	<1
Aluminum	ppm	<1	6	3	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	61	59	55	54
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	<1	<1	<1

ADDITIVES

Calcium	ppm	1120	1087	959	981
Magnesium	ppm	1043	957	846	867
Zinc	ppm	1281	1196	1112	1160
Phosphorus	ppm	1063	926	859	904
Barium	ppm	0	1	7	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 11029619
Signed: Wes Davis
Report Date: 14 May 2024



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GRAPHS

