



CONSTRUCTION EQUIPMENT

SPM621411 SENNEBOGAN 825M 825.0.3415 - DIESEL ENGINE



Sample No: VCP425330
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM621411



SAMPLE INFORMATION

Sample Number	VCP425330	VCP415188	VCP418525	VCP410833
Sample Date	10 Nov 2023	25 Aug 2023	08 May 2023	09 Mar 2023
Machine Hours	7516	7037	6085	5539
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.7	14.1	13.3	12.9
Base Number (BN)	mg KOH/g	8.3	8.7	7.9	9.0
Oxidation (PA)	%	64	59	68	63

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	0.1	0.1	0.1
Nitration (PA)	%	66	53	63	62
Sulfation (PA)	%	55	52	57	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	2	2	2
Sodium	ppm	0	<1	1	0
Potassium	ppm	1	<1	<1	1

WEAR METALS

Iron	ppm	9	6	10	11
Copper	ppm	<1	2	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	0	<1	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	61	45	62	58
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1108	902	1270	1074
Magnesium	ppm	862	787	848	919
Zinc	ppm	1160	1036	1265	1211
Phosphorus	ppm	942	836	992	967
Barium	ppm	0	2	0	0
Boron	ppm	3	0	15	0

Depot: ALLCHILL
Unique No: 10766810
Signed: Wes Davis
Report Date: 01 Dec 2023



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GRAPHS

