



CONSTRUCTION EQUIPMENT

SPM595474 SENNEBOGEN 825ME 825.0.3415 - REAR RIGHT FINAL DRIVE



Sample No: VCP415072
Oil Type: GEAR OIL SAE 80W90
Job No: SPM595474



SAMPLE INFORMATION

Sample Number	VCP415072	VCP418526	VCP410848	VCP357074
Sample Date	25 Aug 2023	08 May 2023	09 Mar 2023	29 Apr 2022
Machine Hours	7037	6085	5539	3139
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	174	171	170	172
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CONTAMINATION

Silicon	ppm	14	18	18	20
Sodium	ppm	4	2	0	3
Potassium	ppm	0	1	2	0

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	29	27	27
Copper	ppm	4	3	3	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	1	1	2
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	3	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2396	2351	2374	2614
Magnesium	ppm	31	20	20	26
Zinc	ppm	985	1016	993	1101
Phosphorus	ppm	853	865	840	888
Barium	ppm	<1	0	0	0
Boron	ppm	20	18	21	18

Depot: ALLCHIL
Unique No: 10634526
Signed: Don Baldrige
Report Date: 08 Sep 2023



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GRAPHS

