



CONSTRUCTION EQUIPMENT

SPM595474 SENNEBOGEN 825ME 825.0.3415 - FRONT DIFFERENTIAL



Sample No: VCP426141
Oil Type: GEAR OIL SAE 80W90
Job No: SPM595474



SAMPLE INFORMATION

Sample Number	VCP426141	VCP418517	VCP410855	VCP361040
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	176	172
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CONTAMINATION

Silicon	ppm	25	17	24	19
Sodium	ppm	4	3	0	2
Potassium	ppm	3	<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	11	28	15	26
Copper	ppm	4	3	5	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	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	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2331	2230	2421	2569
Magnesium	ppm	23	19	19	25
Zinc	ppm	988	974	1023	1061
Phosphorus	ppm	817	842	815	865
Barium	ppm	0	0	0	0
Boron	ppm	17	18	12	17

Depot: ALLCHILL
Unique No: 10634544
Signed: Don Baldrige
Report Date: 08 Sep 2023



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GRAPHS

