



CONSTRUCTION EQUIPMENT

SPM595474 SENNEBOGEN 825ME 825.0.3415 - REAR DIFFERENTIAL



Sample No: VCP415189
Oil Type: GEAR OIL SAE 80W90
Job No: SPM595474



SAMPLE INFORMATION

Sample Number	VCP415189	VCP418519	VCP410832	VCP361029
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	177	171	172
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CONTAMINATION

Silicon	ppm	16	21	19	19
Sodium	ppm	4	2	0	2
Potassium	ppm	0	<1	1	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	21	9	29	31
Copper	ppm	5	2	4	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	0	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	1	1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2409	1834	2428	2558
Magnesium	ppm	32	15	20	25
Zinc	ppm	959	836	1021	1057
Phosphorus	ppm	833	661	861	869
Barium	ppm	<1	0	0	0
Boron	ppm	15	10	18	17

Depot: ALLCHIL
Unique No: 10634532
Signed: Don Baldrige
Report Date: 08 Sep 2023



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VOLVO GRAPHS

