



CONSTRUCTION EQUIPMENT

SPM700133 SENNEBOGAN 825M 825.0.3415 - REAR DIFFERENTIAL



Sample No: VCP413908
Oil Type: GEAR OIL SAE 80W90
Job No: SPM700133



SAMPLE INFORMATION

Sample Number	VCP413908	VCP415189	VCP418519	VCP410832
Sample Date	12 Apr 2024	25 Aug 2023	08 May 2023	09 Mar 2023
Machine Hours	8667	7037	6085	5539
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	197	174	177	171
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	16	21	19
Sodium	ppm	2	4	2	0
Potassium	ppm	<1	0	<1	1

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	102	21	9	29
Copper	ppm	42	5	2	4
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	1	0	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	1	1	1	1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2150	2409	1834	2428
Magnesium	ppm	36	32	15	20
Zinc	ppm	988	959	836	1021
Phosphorus	ppm	867	833	661	861
Barium	ppm	11	<1	0	0
Boron	ppm	10	15	10	18

Depot: ALLCHIL
Unique No: 10990279
Signed: Don Baldrige
Report Date: 23 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

