



### SENNEBOGEN 830E MS17 - Front Left Wheel Hub

Sample No: LH0244778

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0244778	LHMC103185	LHMC103743	LHMC102597
Sample Date	11 Dec 2023	05 May 2023	20 Feb 2023	20 Oct 2022
Machine Hours	7567	6853	5898	0
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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#### OIL CONDITION

Visc @ 40°C	cSt	143	140	139	137
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	1
Sodium	ppm	0	3	4	3
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	51	59	69	34
Copper	ppm	0	3	2	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	30	104	118	208
Magnesium	ppm	<1	1	2	<1
Zinc	ppm	3	24	34	59
Phosphorus	ppm	241	561	665	1007
Barium	ppm	0	0	<1	0
Boron	ppm	9	101	108	239

Depot: OSCLAF

Unique No: 10807076

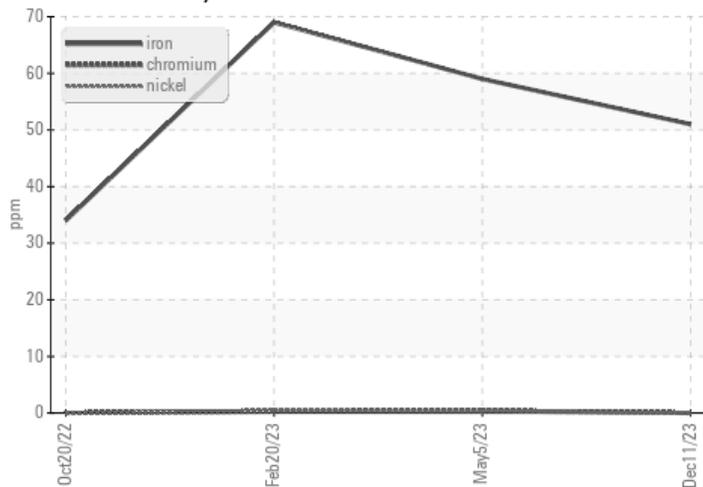
Signed: Jonathan Hester

Report Date: 29 Dec 2023

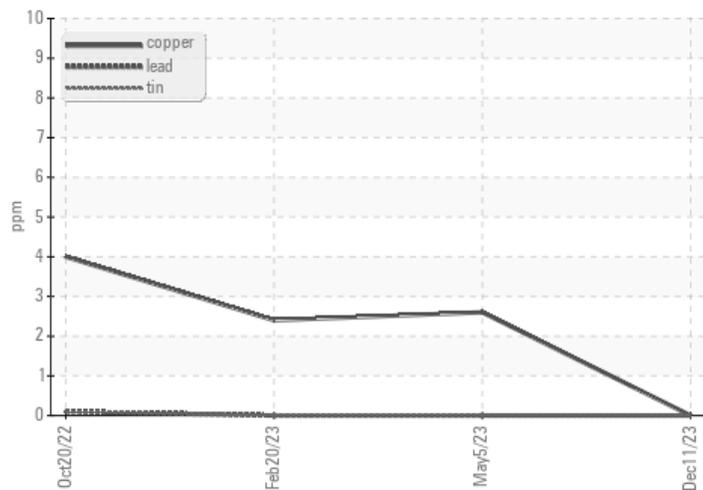


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

