



SENNEBOGEN 830E MS17 - Front Right Wheel Hub

Sample No: LH0244783

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0244783	LHMC103196	LHMC102515	LHMC102593
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	Not Changd	N/A	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	144	140	139	137
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	0	2
Sodium	ppm	0	2	8	2
Potassium	ppm	0	<1	11	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	49	68	22	40
Copper	ppm	0	6	3	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

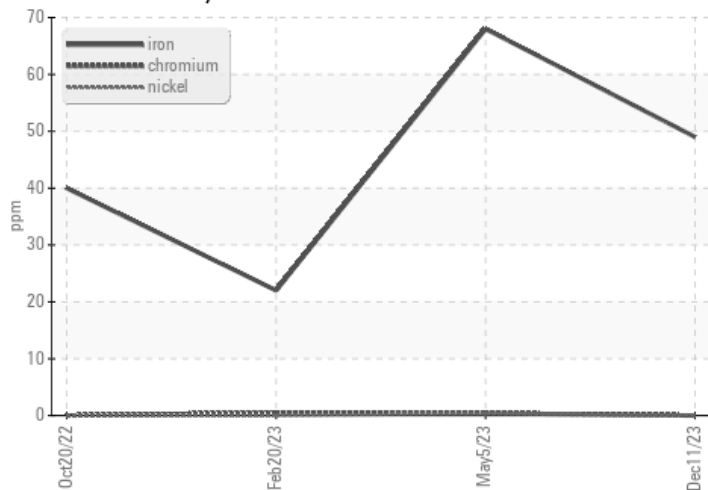
Calcium	ppm	40	95	6	173
Magnesium	ppm	<1	1	<1	<1
Zinc	ppm	6	23	5	55
Phosphorus	ppm	246	464	15	989
Barium	ppm	0	0	0	0
Boron	ppm	9	73	<1	242

Depot: OSCLAF
 Unique No: 10807069
 Signed: Jonathan Hester
 Report Date: 29 Dec 2023

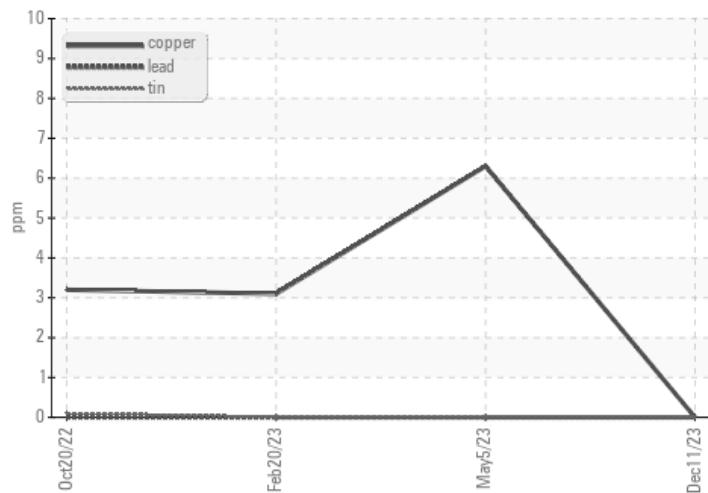


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

