

#### [SPM715231] Machine Id SENNEBOGEN 835 835.0.3282

# Rear Right Final Drive

GEAR OIL SAE 80W90 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

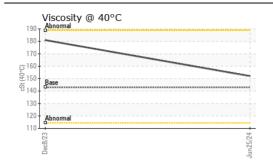
There is no indication of any contamination in the oil.

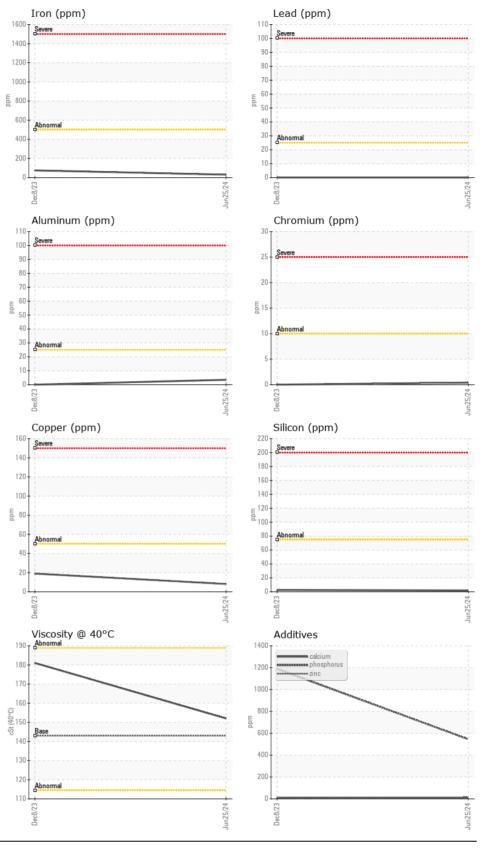
## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446415	VCP436919	
Sample Date		Client Info		25 Jun 2024	08 Dec 2023	
Machine Age	hrs	Client Info		1200	223	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
			500			
Iron	ppm	ASTM D5185m	>500	30	75	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	05	<1	0	
Aluminum	ppm	ASTM D5185m	>25	4	0	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	8	19	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m	NONE	<1	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	2	3	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>75 >20	2 1	3 0	
				_		
Potassium		ASTM D5185m	>20	1	0	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	1 NEG	0 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	1 NEG MODER	0 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	1 NEG MODER NONE	0 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	1 NEG MODER NONE NONE	0 NEG NONE NONE	  
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	1 NEG MODER NONE NONE NORML	0 NEG NONE NONE NONE NORML	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML >0.2	1 NEG MODER NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	1 NEG MODER NONE NORML NORML NEG 0	0 NEG NONE NONE NORML NORML NEG	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400	1 NEG MODER NONE NORML NORML NEG 0 2	0 NEG NONE NONE NORML NORML NEG 2 13	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 >170 400 200	1 NEG MODER NONE NORML NORML NEG 0 2 52	0 NEG NONE NONE NORML NORML NEG 2 13 364	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400	1 NEG MODER NONE NORML NORML NEG 0 2 52 52	0 NEG NONE NONE NORML NORML NEG 2 13 364 0	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400 200 12	1 NEG MODER NONE NORML NORML NEG 0 2 52 52 <1 <1	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 >170 400 200 12	1 NEG MODER NONE NORML NORML NEG 0 2 52 <1 52 <1 <1 <1 2	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1 0	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2 >170 400 200 12	1 NEG MODER NONE NORML NORML NEG 0 2 52 <1 <1 <1 2 9	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1 0 1 0 1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400 200 12 12 12 150 1650	1 NEG NONE NONE NORML NORML NEG 0 2 52 <1 <1 <1 2 9 546	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1 364 0 1 1 0 1 1 1 1 89	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400 200 12 12 12 150 1650 125	1 NEG NONE NONE NORML NORML NEG 0 2 52 <1 <1 <1 2 9 546 15	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1 364 0 1 1 0 11 1189 12	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 >170 400 200 12 12 12 150 1650	1 NEG NONE NONE NORML NORML NEG 0 2 52 <1 <1 <1 2 9 546	0 NEG NONE NONE NORML NORML NEG 2 13 364 0 1 364 0 1 1 0 1 1 1 1 89	

Contact/Location: M. POZAN - BELBOU





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BELSON STEEL** Sample No. : VCP446415 Received 1685 N STATE RTE 50 : 18 Jul 2024 Lab Number : 06240665 Tested BOURBONNAIS, IL : 19 Jul 2024 Diagnosed Unique Number : 11129499 : 19 Jul 2024 - Wes Davis US 60914 Test Package : MOB 1 Contact: M. POZAN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mpozan@belsonsteel.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (815)932-7416 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: M. POZAN - BELBOU Page 2 of 2