WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

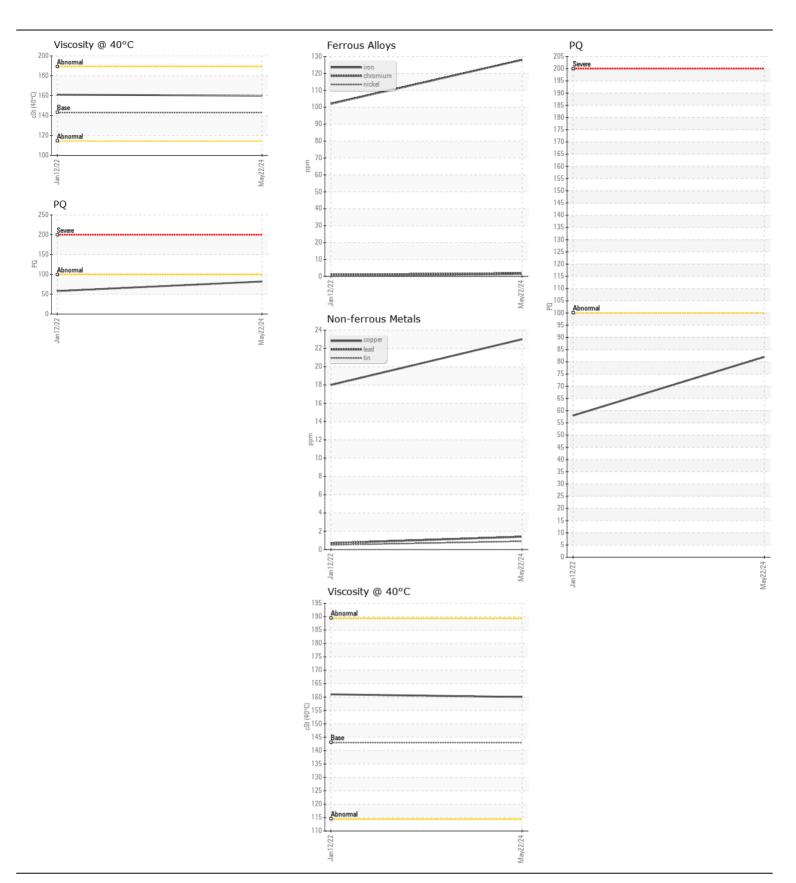
Machine Id

SENNEBOGEN 825 C183344 (S/N 825.0.1186)

Front Right Final Drive

GEAR OIL SAE 80W90 (--- OTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210233	JR0112231	
Sample Date		Client Info		22 May 2024	12 Jan 2022	
Machine Age	hrs	Client Info		16076	16076	
Oil Age	hrs	Client Info		16076	0	
Filter Age	hrs	Client Info		16076	0	
Oil Changed		Client Info		N/A	Not Changd	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184		82	58	
	mag		>500			
			>25			
			>10			
			NONE			
		· · · · · · · · · · · · · · · · · · ·				
Silicon	ppm	ASTM D5185m	>75	10	7	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m	>170	4	4	
Boron	ppm	ASTM D5185m	400	2	4	
Barium	ppm	ASTM D5185m	200	1	0	
Molybdenum	ppm	ASTM D5185m	12	<1	<1	
Manganese	ppm	ASTM D5185m		3	2	
Magnesium	ppm		12	6	5	
Calcium	ppm			279	257	
Phosphorus	ppm			719	645	
Zinc	ppm			121	108	
Sulfur	ppm			20014	16630	
- '						′ MAGAHA
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status PQ Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Manganese ppm Manganese ppm Mangesium ppm Phosphorus ppm Zinc ppm Zinc ppm Sulfur ppm	Sample Number Sample Date Client Info Machine Age Oil Age hrs Client Info Oil Age hrs Client Info Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status PQ ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Valual Scalar Yvisual Silicon ppm ASTM D5185m Vacalar Yvisual Silicon ppm ASTM D5185m Vacalar Visual Sand/Dirt scalar Appearance scalar Appearance scalar Appearance scalar Scalar Avisual Sand/Dirt scalar Appearance Scala	Sample Number Sample Date Machine Age Nrs Client Info Filter Age Nrs Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m >500 Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m >225 Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal yellow Metal scalar Yoisual NONE Silicon ppm ASTM D5185m >75 Potassium ppm ASTM D5185m Vander WC Method >0.2 Silt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Appearance scalar Avisual NONE Appearance scalar Avisual NONE Sand/Dirt scalar Visual NONE Appearance scalar Avisual NONE Appearance ASTM D5185m A00 ASTM D5185m A00 ASTM D5185m A00 ASTM D5185m ASTM D518	Sample Number Client Info JR0210233 Sample Date Client Info 22 May 2024 Machine Age hrs Client Info 16076 Oil Age hrs Client Info 16076 Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status NORMAL PQ ASTM D8184 82 Iron ppm ASTM D8185m >500 128 Chromium ppm ASTM D8185m >10 2 Nickel ppm ASTM D8185m >10 1 Titanium ppm ASTM D8185m >10 1 Silver ppm ASTM D8185m >25 1 Lead ppm ASTM D8185m >25 1 Copper ppm ASTM D8185m >25 1 Vanadium ppm ASTM D8185m >20 23 Tin ppm<	Sample Number Client Info JR0210233 JR0112231 Sample Date Client Info 22 May 2024 12 Jan 2022 Machine Age hrs Client Info 16076 0 Oil Age hrs Client Info 16076 0 Filter Age hrs Client Info N/A Not Change Filter Changed Client Info N/A N/A NVA Sample Status NORMAL NORMAL NORMAL PQ ASTM D8184 82 58 Iron ppm ASTM D5185m >500 128 102 Chromium ppm ASTM D5185m >10 2 1 Nickel ppm ASTM D5185m >10 1 0 Titanium ppm ASTM D5185m >1 1 0 Silver ppm ASTM D5185m >25 1 1 1 Lead ppm ASTM D5185m >50 23 18 Tin ppm







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0210233 Lab Number : 06191280

Received **Tested** Unique Number : 11048032 Diagnosed Test Package : CONST (Additional Tests: PQ)

: 24 May 2024 : 29 May 2024

: 29 May 2024 - Wes Davis

JRE - STEPHENSON 245 YARDMASTER COURT STEPHENSON, VA US 22656-1761

Contact: PHIL DAUGHERTY pdaugherty@jamesriverequipment.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: x: F: (540)693-2588 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)