

[SPM6888847] SENNEBOGEN 835ME 835.0.2078

Left Swing Drive

MOBIL SHC 630 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP425252	VCP425324	VCP418593
Sample Date		Client Info		01 Apr 2024	12 Oct 2023	19 May 2023
Machine Age	hrs	Client Info		20857	19841	19056
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
			400		005	140
Iron	ppm	ASTM DE105m	>400	23	205	140
Chromium	ppm	ASTM DE105m	>10	0	2	< 1
Titonium	ppm	ASTM DE105m	>10	0	<1	0
Cilver	ppm	ASTM DE105m		0	0	< 1
Alwesiewes	ppm		05	0	1	U
Aluminum	ppm	ASTM DE105m	>20	0	<1	<1
Coppor	ppm	ASTM D5105III	> 200	0	164	< 1
Соррег	ррп		>200	4	104	10
Vanadium	ppm	ASTM DE105m	>10	<1	0	0
Variadium	ppm	*\/ieuuel		NONE		
Vellow Metal	Scalar	*\/ieuel	NONE	NONE	NONE	NONE
Yellow Ivietal	scalar	visuai	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	1	25	23
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	1 0	25 0	23 0
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	1 0 NEG	25 0 NEG	23 0 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	1 0 NEG NONE	25 0 NEG NONE	23 0 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE	1 0 NEG NONE LIGHT	25 0 NEG NONE NONE	23 0 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE	1 0 NEG NONE LIGHT NONE	25 0 NEG NONE NONE NONE	23 0 NEG NONE NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NORML	1 0 NEG NONE LIGHT NONE NORML	25 0 NEG NONE NONE NONE	23 0 NEG NONE NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NORML NORML	1 0 NEG NONE LIGHT NONE NORML NORML	25 0 NEG NONE NONE NONE NORML NORML	23 0 NEG NONE NONE NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML >0.2	1 0 NEG NONE LIGHT NONE NORML NORML NEG	25 0 NEG NONE NONE NORML NORML NEG	23 0 NEG NONE NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NONE NORML NORML NEG	25 0 NEG NONE NONE NORML NORML NEG	23 0 NEG NONE NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NORML NORML NEG 2 205	25 0 NEG NONE NONE NORML NORML NEG 0 0	23 0 NEG NONE NONE NORML NORML NEG <1 7
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NONE NORML NORML NEG 2 2 205 0	25 0 NEG NONE NONE NORML NORML NEG 0 0 0	23 0 NEG NONE NONE NORML NORML NEG <1 7 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NORML NORML NORML 2 2 205 0 205	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0	23 0 NEG NONE NONE NORML NORML NEG <1 7 0 1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 NONE NONE NONE NORML >0.2	1 0 NEG NONE LIGHT NORML NORML NEG 2 205 0 205 0 <1 <1	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 2	23 0 NEG NONE NONE NORML NORML NEG <1 7 0 1 1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML >0.2	1 0 NEG NONE LIGHT NONE NORML NEG 2 205 0 <1 <1 <1 10	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 0 2 11	23 0 NEG NONE NONE NORML NORML NEG <1 7 0 1 1 1 21
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NORML NORML NORML 2 2 205 0 205 0 <1 <1 <1 10	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 2 11 565	23 0 NEG NONE NONE NORML NORML NEG <1 7 0 1 1 1 21 2079
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 NONE NONE NONE NORML >0.2	1 0 NEG NONE LIGHT NORML NORML 2 205 0 205 0 <1 <1 <1 10 236 1053	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 2 11 565 582	23 0 NEG NONE NONE NORML NEG <1 7 0 1 1 1 21 2079 752
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML >0.2	1 0 NEG NONE LIGHT NORML NORML 2 205 0 205 0 <1 <1 10 236 1053 95	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 2 11 565 582 283	23 0 NEG NONE NONE NORML NEG <1 7 0 1 1 1 21 2079 752 890
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	1 0 NEG NONE LIGHT NORML NORML 2 205 0 205 0 <1 <1 <1 10 236 1053 95 28433	25 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 2 11 565 582 283 3203	23 0 NEG NONE NONE NORML NORML NEG <1 7 0 1 1 1 21 2079 752 890 10433

Contact/Location: RYAN WISE - SIMCHIIL





Oct12/23 . /lay19/23 SIMS METAL MANAGEMENT 2500 S. PAULINA CHICAGO, IL US 60608 Contact: RYAN WISE ryan.wise@simsmm.com Т:

Apr1/24.

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fav19/23



Test Package : MOB 1 Certificate L2367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Diagnosed

Tested

: 19 Apr 2024

: 22 Apr 2024

: 23 Apr 2024 - Don Baldridge

Report Id: SIMCHIIL [WUSCAR] 06154822 (Generated: 04/23/2024 19:24:07) Rev: 1

Laboratory

Sample No.

Lab Number : 06154822

Unique Number : 10990245

: VCP425252

Contact/Location: RYAN WISE - SIMCHIIL Page 2 of 2