



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
TPR-Conroe
 Machine Id
231147 SENNEBOGEN 830M 830.0.2016
 Component
Rear Differential
 Fluid
GEAR OIL SAE 80W90 (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0013655	DJJ0013668	DJJ0013693
Sample Date		Client Info		11 Apr 2024	30 Jan 2024	29 Nov 2023
Machine Age	hrs	Client Info		11305	11305	11047
Oil Age	hrs	Client Info		1350	11305	11047
Filter Age	hrs	Client Info		1350	0	11047
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	23	14	10
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	4
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	1	0	0
Copper	ppm	ASTM D5185m	>100	4	3	3
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

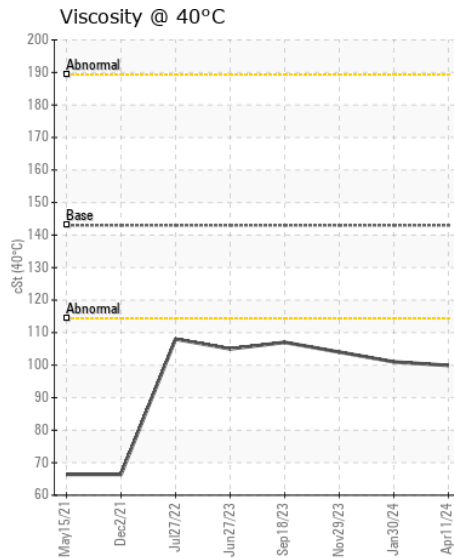
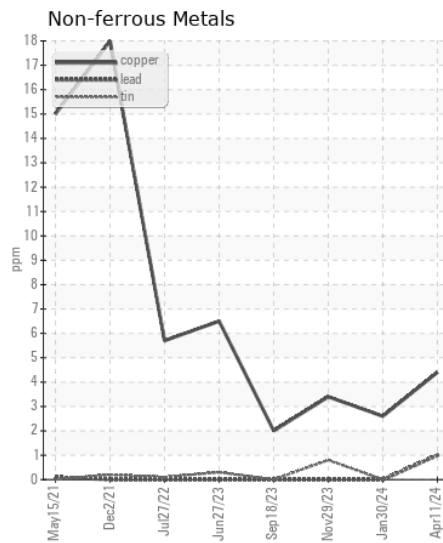
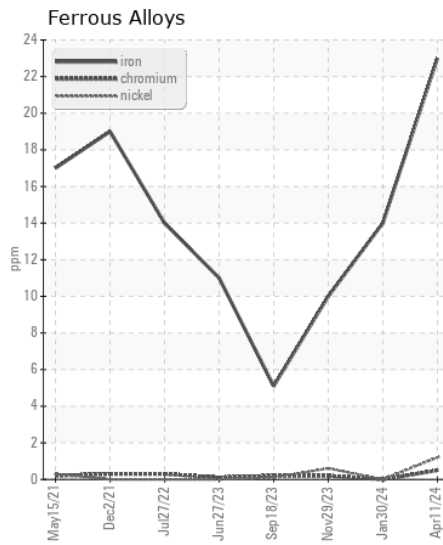
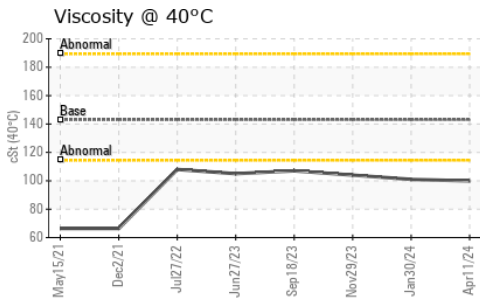
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	3	3
Potassium	ppm	ASTM D5185m	>20	2	<1	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<1	2	2
Boron	ppm	ASTM D5185m	400	48	39	37
Barium	ppm	ASTM D5185m	200	2	0	0
Molybdenum	ppm	ASTM D5185m	12	2	<1	1
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m	12	9	5	0
Calcium	ppm	ASTM D5185m	150	305	276	231
Phosphorus	ppm	ASTM D5185m	1650	524	512	425
Zinc	ppm	ASTM D5185m	125	134	123	101
Sulfur	ppm	ASTM D5185m	22500	16298	15714	14250
Visc @ 40°C	cSt	ASTM D445	143	99.9	101	104



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0013655 **Received** : 18 Apr 2024
Lab Number : 06153517 **Tested** : 19 Apr 2024
Unique Number : 10983595 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST

TEXAS PORT RECYCLING - CONROE
 11895 DOUGET ROAD
 CONROE, TX
 US 77303
 Contact: TONER KELLY
 toner.kelly@texasportrecycling.com
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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)