



LEAHY-WOLF
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Cozzi MH1
Machine Id
SENNEBOGAN 825 825.0.2570
Component
Front Left Final Drive
Fluid
CITGO PREMIUM GEAR 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009126	PCA0115573	LW0007635
Sample Date		Client Info		12 Jul 2024	20 May 2024	03 Nov 2023
Machine Age	hrs	Client Info		13165	12750	11548
Oil Age	hrs	Client Info		13165	12750	11548
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	172	190	128
Chromium	ppm	ASTM D5185m	>10	2	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	6	6	4
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

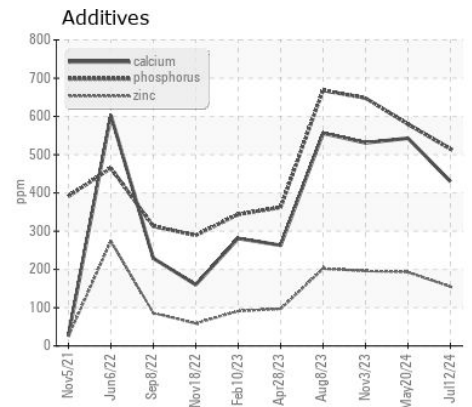
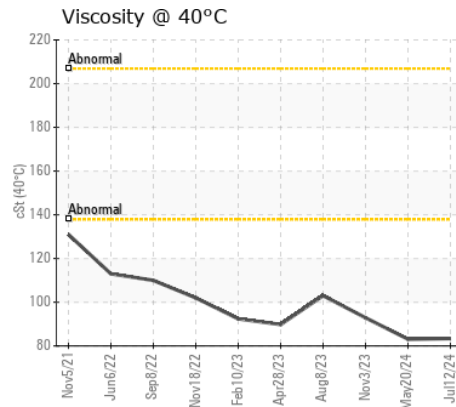
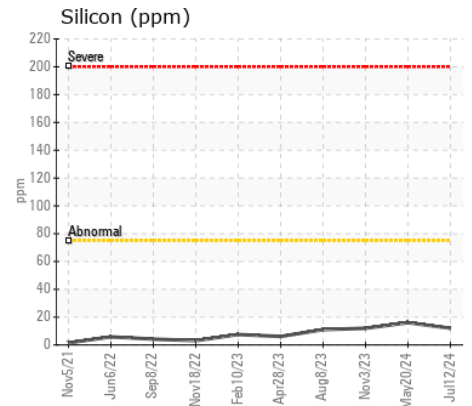
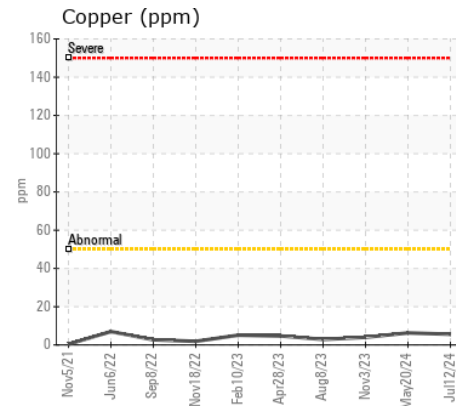
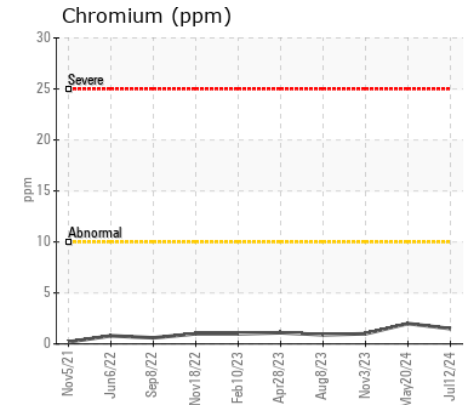
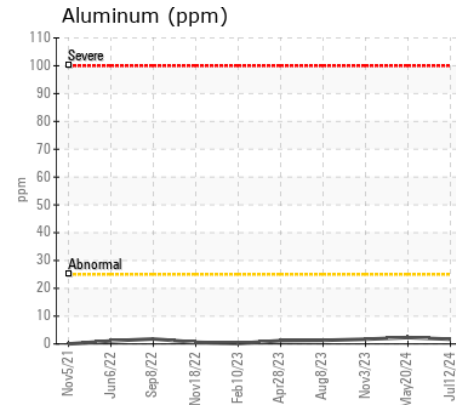
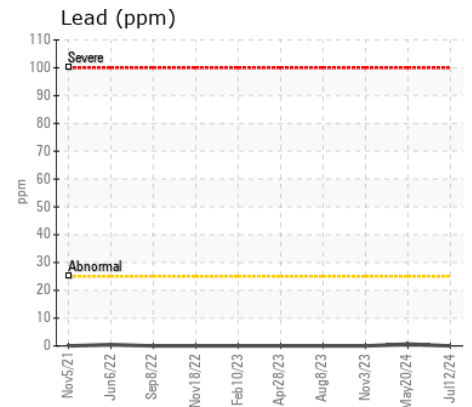
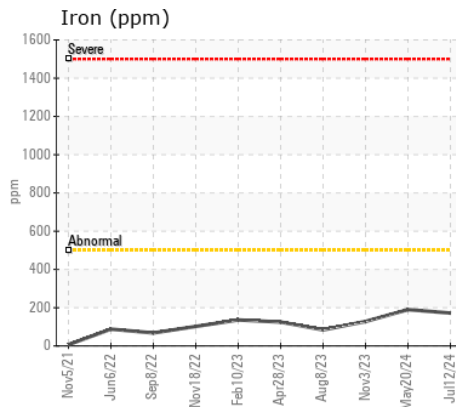
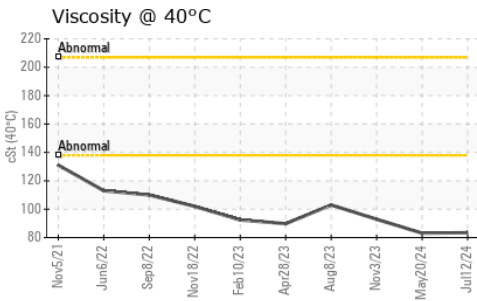
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	16	12
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	5	6
Boron	ppm	ASTM D5185m		19	27	21
Barium	ppm	ASTM D5185m		3	2	0
Molybdenum	ppm	ASTM D5185m		10	12	10
Manganese	ppm	ASTM D5185m		1	2	1
Magnesium	ppm	ASTM D5185m		43	54	48
Calcium	ppm	ASTM D5185m		430	543	531
Phosphorus	ppm	ASTM D5185m		515	580	648
Zinc	ppm	ASTM D5185m		155	193	196
Sulfur	ppm	ASTM D5185m		20573	21991	19707
Visc @ 40°C	cSt	ASTM D445		83.4	83.1	92.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : LW0009126
 Lab Number : 06239476
 Unique Number : 11128310
 Test Package : MOB 1

Received : 17 Jul 2024
 Tested : 18 Jul 2024
 Diagnosed : 18 Jul 2024 - Wes Davis

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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)