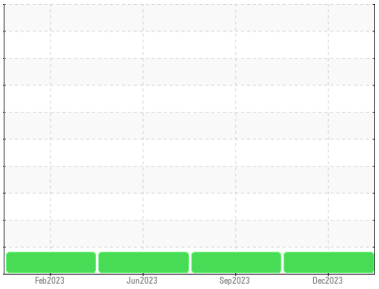
OIL ANALYSIS REPORT

Sample Rating Trend



FUEL

Machine Id
Porsche WP0AA2A91BS706301
Component
Rear Gasoline Engine
Fluid
DRIVEN DI40 (9 LTR)

DIAGNOSIS

Recommendation
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. (Customer Sample Comment: Please run tests on sample for gasoline fuel dilution)

Wear
All component wear rates are normal.

Contamination
Light fuel dilution occurring. No other contaminants were detected in the oil.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0836832**	WC0836831	WC0836830
Sample Date		Client Info		**29 Dec 2023**	30 Sep 2023	22 Jun 2023
Machine Age	kms	Client Info		**208058**	196718	185795
Oil Age	kms	Client Info		**11340**	10923	9959
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**MARGINAL**	MARGINAL	MARGINAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	**8**	14	14
Chromium	ppm	ASTM D5185(m)	>20	**0**	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	**0**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	0	<1
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Aluminum	ppm	ASTM D5185(m)	>40	**6**	4	5
Lead	ppm	ASTM D5185(m)	>50	**0**	<1	0
Copper	ppm	ASTM D5185(m)	>155	**2**	3	3
Tin	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Antimony	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	<1	1
Barium	ppm	ASTM D5185(m)		**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)		**241**	256	246
Manganese	ppm	ASTM D5185(m)		**0**	0	<1
Magnesium	ppm	ASTM D5185(m)		**5**	6	6
Calcium	ppm	ASTM D5185(m)		**1176**	1235	1220
Phosphorus	ppm	ASTM D5185(m)		**773**	783	845
Zinc	ppm	ASTM D5185(m)		**882**	941	921
Sulfur	ppm	ASTM D5185(m)		**3440**	3308	3380
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	**4**	5	6
Sodium	ppm	ASTM D5185(m)	>400	**2**	2	2
Potassium	ppm	ASTM D5185(m)	>20	**0**	0	<1
Fuel	%	ASTM D7593*	>4.0	▲ **2.8**	▲ 2.1	▲ 2.4

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**7.6**	8.5	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**22.7**	22.9	22.4

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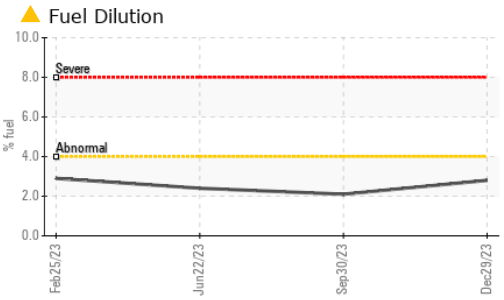
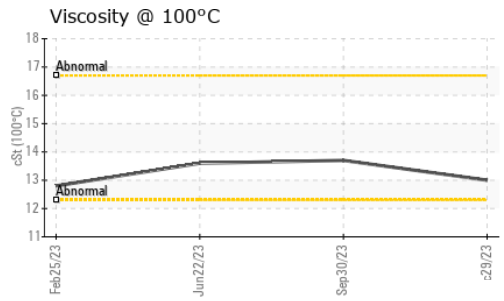


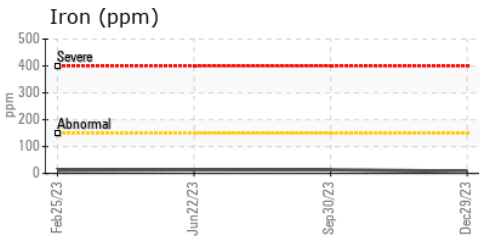


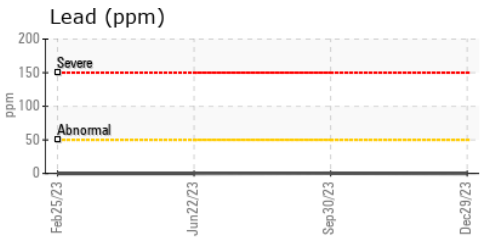
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**11.5**	13.1	12.7

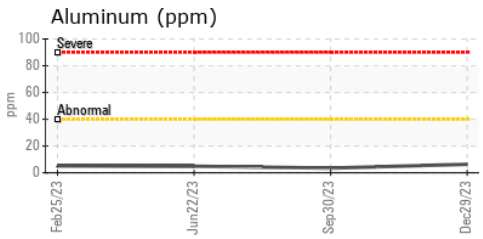
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**NONE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

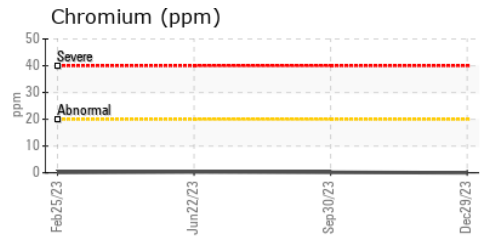
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		**13.0**	13.7	13.6

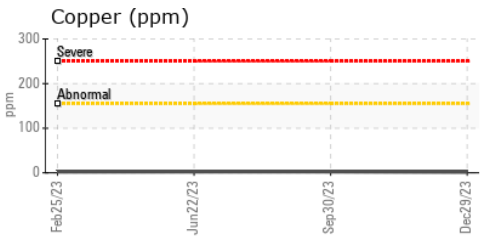
GRAPHS

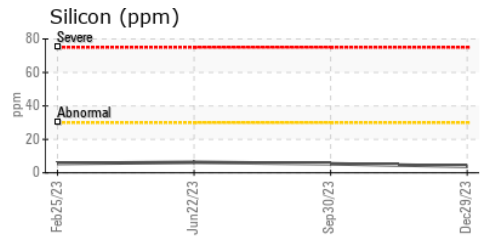


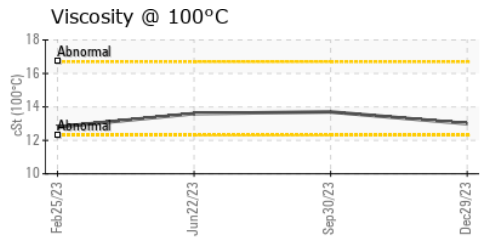


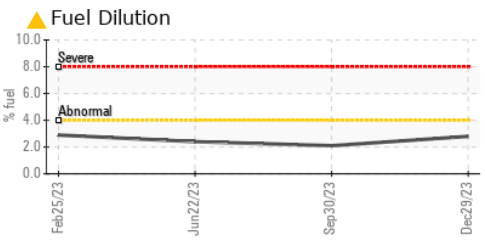












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0836832 **Recieved** : 04 Jan 2024
Lab Number : 02606536 **Diagnosed** : 08 Jan 2024
Unique Number : 5707622 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel, Visual)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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