



OIL ANALYSIS REPORT

Sample Rating Trend

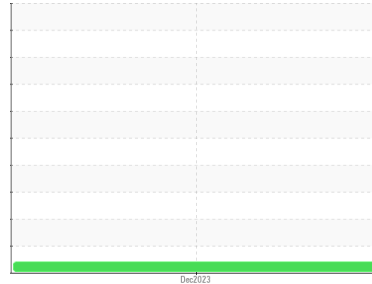
VISCOSITY



Machine Id
PORSCHE 23J11562

Component
Gasoline Engine

Fluid
CASTROL SYNTEC FULL SYNTH 5W40 (--- LTR)



DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez soumettre un échantillon de la nouvelle huile (inutilisée) afin que nous puissions établir un relevé de base.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0881011	---	---
Sample Date	Client Info		13 Dec 2023	---	---
Machine Age	kms	Client Info	120370	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	5	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---
Titanium	ppm	ASTM D5185(m)		16	---
Silver	ppm	ASTM D5185(m)	>2	<1	---
Aluminum	ppm	ASTM D5185(m)	>40	26	---
Lead	ppm	ASTM D5185(m)	>50	<1	---
Copper	ppm	ASTM D5185(m)	>155	3	---
Tin	ppm	ASTM D5185(m)	>10	0	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		82	---
Barium	ppm	ASTM D5185(m)		<1	---
Molybdenum	ppm	ASTM D5185(m)		21	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)	1000	150	---
Calcium	ppm	ASTM D5185(m)	1300	2096	---
Phosphorus	ppm	ASTM D5185(m)	900	773	---
Zinc	ppm	ASTM D5185(m)	1000	885	---
Sulfur	ppm	ASTM D5185(m)		1947	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

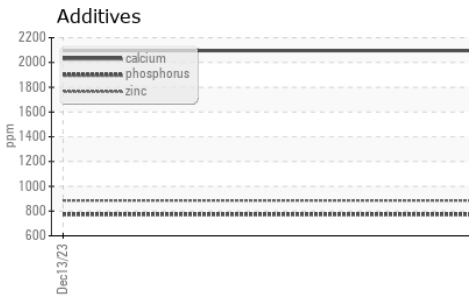
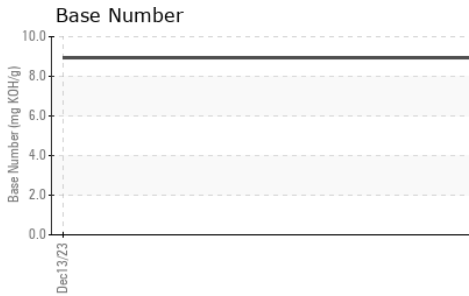
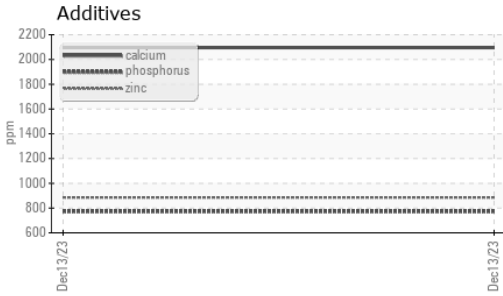
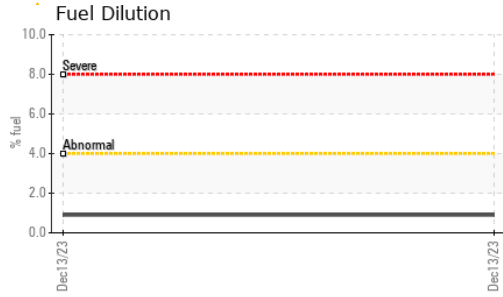
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	9	---
Sodium	ppm	ASTM D5185(m)	>400	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---
Fuel	%	ASTM D7593*	>4.0	0.9	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.6	---
Sulfation	Abs./1mm	ASTM D7415*	>30	15.2	---



OIL ANALYSIS REPORT

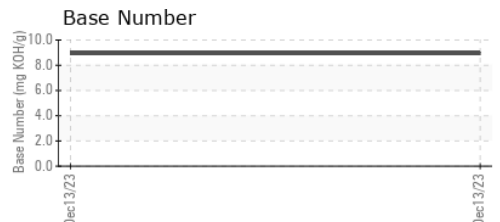
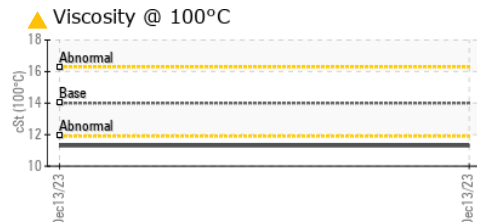
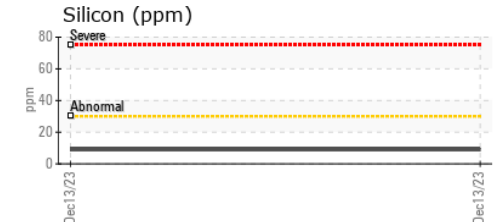
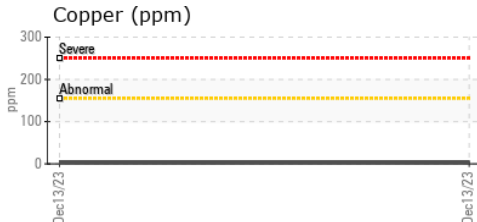
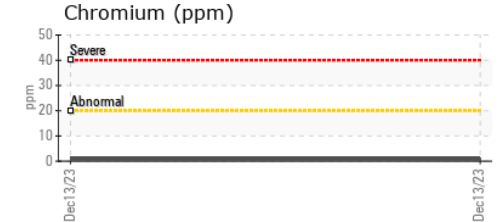
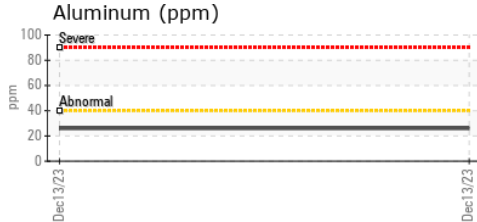
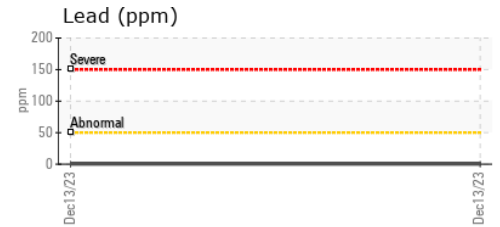
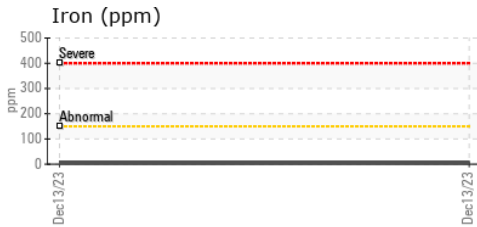


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	10.0	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.94	---	---

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	VLITE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.0	▲ 11.3	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0881011 **Received** : 15 Dec 2023
Lab Number : 02603452 **Diagnosed** : 21 Dec 2023
Unique Number : 5696537 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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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.