

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

352133 Component

Component Gasoline Engine

Fluid PETRO CANADA SUPREME SYNTHETIC 5W30 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0061143	GFL0097577	
Sample Date		Client Info		09 Jun 2024	15 Feb 2024	
Machine Age	kms	Client Info		0	0	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				SEVERE	SEVERE	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	8	8	
Chromium	ppm	ASTM D5185(m)	>20	0	0	
Nickel	ppm	ASTM D5185(m)	>5	0	<1	
Titanium	ppm	ASTM D5185(m)	0	0	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>40	1	3	
Lead	ppm	ASTM D5185(m)	>50	0	0	
Copper	ppm	ASTM D5185(m)	>155	1	2	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	186	33	37	
Barium	ppm	ASTM D5185(m)	<1	0	0	
Molybdenum	ppm	ASTM D5185(m)	79	66	63	
Manganese	ppm	ASTM D5185(m)	0	0	0	
Magnesium	ppm	ASTM D5185(m)	578	482	465	
Calcium	ppm	ASTM D5185(m)	1002	1164	1134	
Phosphorus	ppm	ASTM D5185(m)	745	598	628	
Zinc	ppm	ASTM D5185(m)	837	681	686	
Sulfur	ppm	ASTM D5185(m)	2502	2242	2385	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	24	20	
Sodium	ppm	ASTM D5185(m)	>400	4	5	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
Fuel	%	ASTM D7593*	>4.0	8 .7	▲ 11.2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	
Nitration	Abs/cm	ASTM D7624*	>20	11.3	12.2	
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	23.0	
Canadon	/ 10/0/11/11/11			-0.2	20.0	



Abnormal

Oxidation

 Nitration Sulfation

35

31

5²⁵

ada Sto

15

10

16

012 Ba

रुतुं 1

Α

-9

Abnormal

Oxidation

Sulfation

35

3

E 25

sqP 20

15

10

Feb 1

-9

OIL ANALYSIS REPORT



Report Id: GFL216 [WCAMIS] 02640692 (Generated: 06/11/2024 11:34:00) Rev: 1

Contact/Location: Tom Hatzioannidis - GFL216 Page 2 of 2