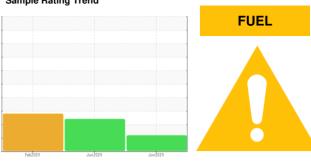


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 352133

Gasoline Engine

PETRO CANADA SUPREME SYNTHETIC 5W30 (

DIAGNOSIS

Recommendation

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. (Customer Sample Comment: Resample as last reading was fuel in oil)

All component wear rates are normal.

Contamination

There is a moderate 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.

W30 (GAL)		Feb	2024	Jun2024 Jun20.	24	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0061144	GFL0061143	GFL0097577
Sample Date		Client Info		12 Jun 2024	09 Jun 2024	15 Feb 2024
Machine Age	kms	Client Info		48328	0	0
Oil Age	kms	Client Info		738	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE
CONTAMINATIO	NC	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	2	8	8
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	<1	1	3
Lead	ppm	ASTM D5185(m)	>50	0	0	0
	ppm	ASTM D5185(m)	>155	<1	1	2
Tin	ppm	ASTM D5185(m)	>10	0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	186	154	33	37
	ppm	ASTM D5185(m)	<1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	79	66	66	63
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	578	487	482	465
-	ppm	ASTM D5185(m)	1002	1153	1164	1134
	ppm	ASTM D5185(m)	745	616	598	628
	ppm	ASTM D5185(m)	837	700	681	686
	ppm	ASTM D5185(m)	2502	2242	2242	2385
	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	12	24	20
Sodium	ppm	ASTM D5185(m)	>400	2	4	5
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Fuel	%	ASTM D7593*	>4.0	△ 5.3	▲ 8.7	▲ 11.2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.6	11.3	12.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.1	23.2	23.0



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: GFL0061144 Lab Number : 02641654

Unique Number : 5799193

Diagnosed Test Package: MOB 1 (Additional Tests: 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.

Received

Tested

GFL Environmental - 216

0.0 Feb15/24

: 13 Jun 2024

: 14 Jun 2024

: 14 Jun 2024 - Kevin Marson

15 Bermondsey Road Toronto, ON **CA M4B 1Y9**

Contact: Tom Hatzioannidis thatzioannidis@gflenv.com T: (416)678-9340

Submitted By: Tom Hatzioannidis