

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id GZJ00314 Component

Biogas Engine

PETRO CANADA SENTRON CG 40 (145 GAL)

RON CG 40 (145 GAL)



Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Total oil added 29 gallons)

Fluic

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

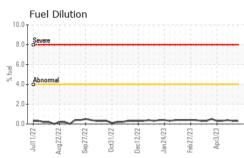
Fluid Condition

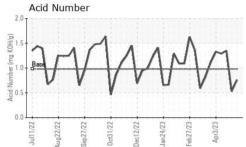
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

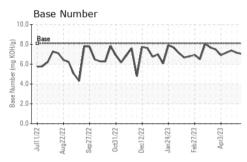
Sample Number		Client Info		WC0799200	WC0799197	WC0799196		
Sample Date		Client Info		01 May 2023	24 Apr 2023	17 Apr 2023		
Machine Age	hrs	Client Info		122624	122458	122295		
Oil Age hrs		Client Info		305	139	953		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				NORMAL	NORMAL	ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2		
Water		WC Method	>0.1	NEG	NEG	NEG		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>45	5	4	6		
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1		
Nickel	ppm	ASTM D5185m	>2	<1	0	<1		
Titanium	ppm	ASTM D5185m		<1	<1	<1		
Silver	ppm	ASTM D5185m	>5	0	0	0		
Aluminum	ppm	ASTM D5185m	>10	2	2	2		
Lead	ppm	ASTM D5185m	>5	0	0	0		
Copper	ppm	ASTM D5185m	>14	2	<1	2		
Tin	ppm	ASTM D5185m	>13	3	1	6		
Vanadium	ppm	ASTM D5185m		0	0	<1		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	0	0	0		
Barium	ppm	ASTM D5185m	1	0	0	0		
Molybdenum	ppm	ASTM D5185m	2	<1	<1	1		
Manganese	ppm	ASTM D5185m	1	<1	<1	<1		
Magnesium	ppm	ASTM D5185m	9	14	15	16		
Calcium	ppm	ASTM D5185m	2712	2886	2823	3238		
Phosphorus	ppm	ASTM D5185m	292	293	284	327		
Zinc	ppm	ASTM D5185m	342	357	340	385		
Sulfur	ppm	ASTM D5185m	2575	4187	3925	3947		
CONTAMINANTS	;	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>200	199	112	4 61		
Sodium	ppm	ASTM D5185m		1	<1	2		
Potassium	ppm	ASTM D5185m	>20	<1	0	0		
Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.4		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0	0	0		
Nitration	Abs/cm	*ASTM D7624	>20	4.8	4.4	6.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	14.5	21.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.3	8.4	15.1		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.98	0.758	0.53	1.35		
Base Number (BN)	mg KOH/g	ASTM D2896	8.1	7.03	7.15	7.38		
Eaco	ing itoning	AO INI D2000	0.1	7.03	7.15	7.30		

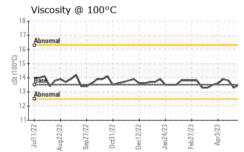


OIL ANALYSIS REPORT









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						and/Dirt			scalar	*Visu		NONE		NONE		NON			DNE
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