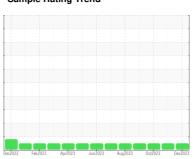


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Watkins 1

Component

Natural Gas Engine

PETRO CANADA SENTRON LD 3000 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Tests indicate that there is no fuel present in the oil. 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.

AL)		Dec2022	Feb2023 Apr2023	Jun 2023 Aug 2023 Oct 2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111948	PCA0103431	PCA0103460
Sample Date		Client Info		04 Dec 2023	01 Nov 2023	02 Oct 2023
Machine Age	hrs	Client Info		99277	98422	97707
Oil Age	hrs	Client Info		3880	3025	2310
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	4	6
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	<1	0
Lead	ppm	ASTM D5185m	>30	0	<1	1
Copper	ppm	ASTM D5185m	>35	0	0	1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	0	0	2
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	16	13	11
Calcium	ppm	ASTM D5185m	1220	1485	1466	1370
Phosphorus	ppm	ASTM D5185m	298	290	279	274
Zinc	ppm	ASTM D5185m	350	373	360	358
Sulfur	ppm	ASTM D5185m	1995	2629	2549	2835
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	10	12
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	1	3
Fuel	%	ASTM D3524	>4.0	0.0	0.0	0.1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	5.0	5.0	4.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.3	17.1	16.5
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.8	10.5	9.9
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	1.12	0.83	0.89
Base Number (BN)	mg KOH/g	ASTM D2896	3.85	3.70	2.83	3.85



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 11 Dec 2023 : PCA0111948

: 06031792 Diagnosed : 18 Dec 2023 : 10781583 Diagnostician : Wes Davis Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

ENERVEST OPERATING - WATKINS

3896 SUNSET HOLLOW ROAD GRUNDY, VA

US 24614

Contact: Service Manager

T: F: