

OIL ANALYSIS REPORT

Sample Rating Trend



Nancy 3

Component **Compressor** Fluid

PETRO CANADA SENTRON LD 3000 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



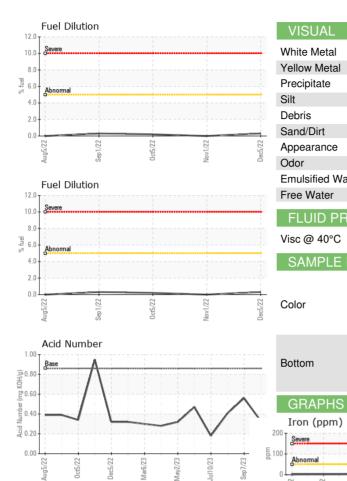


4ug2022 0ct2022 Dec2022 Mar2023 Mar2023 Ju2023 Sep2023

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111878	PCA0103472	PCA0092096
Sample Date		Client Info		07 Nov 2023	07 Sep 2023	03 Aug 2023
Machine Age	hrs	Client Info		140387	138920	138084
Oil Age	hrs	Client Info		12496	0	10193
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	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
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	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	0	0	<1
Manganese	ppm	ASTM D5185m	1	0	<1	<1
Magnesium	ppm	ASTM D5185m	5	9	8	13
Calcium	ppm	ASTM D5185m	1220	1226	1288	1345
Phosphorus	ppm	ASTM D5185m	298	275	284	299
Zinc	ppm	ASTM D5185m	350	330	340	355
Sulfur	ppm	ASTM D5185m	1995	2347	2862	2901
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	2
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	0.33	0.561	0.407



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	White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAG	cSt	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NONE NONE NONE NORML NORML >0.1 Imit/base 124.3	NONE NONE NONE NONE NORE NORML NORML NEG NEG	NONE NONE NONE NONE NONE NORML NORML NEG NEG		NE NE NE NE RML RML G
P S C C S A C C C C C C C C C C C C C C C	Precipitate Silt Debris Sand/Dirt Appearance Ddor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAG	scalar scalar scalar scalar scalar scalar scalar RTIES	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual Method	NONE NONE NONE NORML NORML >0.1 Iimit/base	NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NORML NORML NEG NEG	NO NO NO NO NO	NE NE NE RML RML G
Octetiza Octeti	Silt Debris Sand/Dirt Appearance Ddor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAC	scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NORML NORML >0.1 Iimit/base	NONE NONE NORML NORML NEG NEG	NONE NONE NORML NORML NEG NEG	NO NO NO NO	NE NE RML RML G
	Debris Sand/Dirt Appearance Ddor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAC	scalar scalar scalar scalar scalar scalar RTIES cSt	*Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML NORML >0.1 limit/base	NONE NORML NORML NEG NEG	NONE NORML NORML NEG NEG	NO NO NO NO	NE NE RML RML G
	Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPE /isc @ 40°C SAMPLE IMAG	scalar scalar scalar scalar scalar RTIES cSt	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML NORML >0.1 limit/base	NONE NORML NORML NEG NEG	NONE NORML NEG NEG	NO NO NO	NE RML RML G
	Appearance Ddor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAG	scalar scalar scalar scalar RTIES cSt	*Visual *Visual *Visual *Visual method ASTM D445	NORML NORML >0.1	NORML NORML NEG NEG	NORML NORML NEG NEG	NO NO NE	RML RML G
	Ddor Emulsified Water Free Water FLUID PROPE /isc @ 40°C SAMPLE IMAG	scalar scalar scalar RTIES cSt	*Visual *Visual *Visual method ASTM D445	NORML >0.1 limit/base	NORML NEG NEG	NORML NEG NEG	NO NE	RML G
	Emulsified Water Free Water FLUID PROPE /isc @ 40°C SAMPLE IMAG	scalar scalar RTIES cSt	*Visual *Visual method ASTM D445	>0.1 limit/base	NEG NEG	NEG NEG	NE	G
	Free Water FLUID PROPE /isc @ 40°C SAMPLE IMAG	scalar RTIES cSt	*Visual method ASTM D445	limit/base	NEG	NEG		
	FLUID PROPE /isc @ 40°C SAMPLE IMAG	RTIES cSt	method ASTM D445				NE	G
	/isc @ 40°C SAMPLE IMAC	cSt	ASTM D445		current			u
	SAMPLE IMAG			124.3			hi	istory2
		ES	method		119	118	118	3
	Color			limit/base	current	history1	hi	istory2
					no image	no image	no	image
200- E 100-	Bottom			_	no image	no image	no	image
200- E 100-	GRAPHS							
E.100-	Iron (ppm)			100	Lead (ppm)			
Mar6/23 + May2/23 + Sep7/23 + ppm	Severe				Severe			
Mar6// Jul10// Sep7//	Abnormal			퉖 50	Abnormal			
				(
	Aug5/22 0ct5/22 Dec5/22	Mar6/23	Jul10/23	Sep 7/23	Aug5/22 Oct5/22 Dec5/22	Mar6/23 May2/23	Jul10/23	Sep7/23
	De 0	W W	Jul (20	De Di	Ma Ma	ղոր	Se
100	Aluminum (ppm)				Chromium (pp	om)		
100-	Severe			30				
<u>특</u> 50-	Abnormal			E ²⁰	Abnormal			
0-					1 1 1 1			
-	Aug5/22 . 0ct5/22 . Dec5/22 .	Mar6/23	Jul10/23	Sep 7/23	Aug5/22 - 0ct5/22 - Dec5/22 -	Mar6/23	Jul10/23	Sep7/23 .
	Aug Oct	Mar	Jull	Sep	Aug Oct	Mar	Jul	Sep
	Copper (ppm)				Silicon (ppm)			
200-	Severe	1		100	Severe			
<u>특</u> 100-	- J			틆 50				+
	Abnormal				Abnormal			
-0	Aug5/22 -	Mar6/23	Jul10/23	Sep //23	Aug5/22 - 0ct5/22 - 0cc5/22 -	Mar6/23 -	0/23	Sep7/23 -
	Aug Oct	Mar6/23 Mav2/23	Jul1	Sep	Aug5/22 0ct5/22 Dec5/22	Mar6/23 May2/23	Jul10/23	Sep
	Viscosity @ 40°C			(B/)	Acid Number			
140	Abnormal			HOLE HOLE HOLE HOLE HOLE HOLE HOLE HOLE	Base			
(2) 	Base			Acid Number (mg KOH(g)	_ / \		~	~
	Abnormal			Mumb			~	
110-	122	5/23	1/23	Acid 1	522 (22 (22	(/23 -	/23 -	/23 -
	Aug5/22 0ct5/22 Dec5/22	Mar6/23 M∞2/23	Jul10/23	Sep 1/23 Acid	Aug5/22 0ct5/22 Dec5/22	Mar6/23 May2/23	Jul10/23	Sep7/23
Sample No. : F Lab Number : C Unique Number : 1		Receiveo Diagnos Diagnos	d : 16 M ed : 20 M tician : Don	ry, NC 27513 Nov 2023 Nov 2023 1 Baldridge	B ENEF		iancy H Ha US	IOLLOV VYSI, V/ S 2425
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