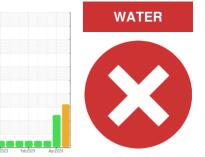


Hurricane Creek 1

Machine Id

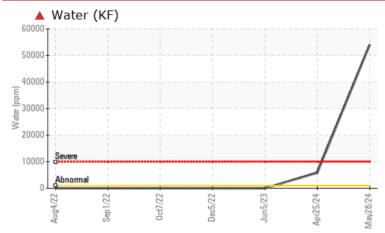
PROBLEM SUMMARY

Sample Rating Trend



Compressor Fluid PETRO CANADA SENTRON LD 3000 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				SEVERE	ABNORMAL	NORMAL	
Water	%	ASTM D6304	>0.1	5.41	▲ 0.587		
ppm Water	ppm	ASTM D6304	>1000	4 54100	5 870		
Emulsified Water	scalar	*Visual	>0.1	0.2%	▲ 0.2%	NEG	

Customer Id: ENEVANH Sample No.: PCA0095183 Lab Number: 06196798 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMEND	ED ACTIONS	i -		
Action	Status	Date	Done By	Description
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

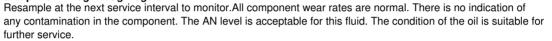


We advise that you check for the source of water entry. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



02 Apr 2024 Diag: Doug Bogart

NORMAL





view report



04 Mar 2024 Diag: Sean Felton

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Rating Trend

WATER

X

Machine Id

Hurricane Creek 1

Component Compressor Fluid PETRO CANADA SENTRON LD 3000 (--- GAL)

DIAGNOSIS

A Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

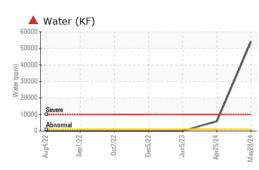
Fluid Condition

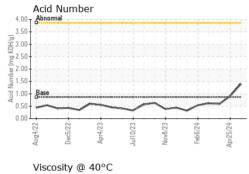
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

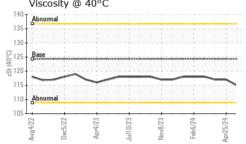
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0095183	PCA0117229	PCA0111997
Sample Date		Client Info		28 May 2024	25 Apr 2024	02 Apr 2024
Machine Age	hrs	Client Info		0	132595	132091
Oil Age	hrs	Client Info		0	0	21941
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				SEVERE	ABNORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	33	9	1
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>25	3	3	1
Copper	ppm	ASTM D5185m	>50	9	11	<1
Tin	ppm	ASTM D5185m	>15	4	4	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		1	3	1
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 4	history1 4	history2 0
	ppm ppm					
Boron		ASTM D5185m	5	4	4	0
Boron Barium	ppm	ASTM D5185m ASTM D5185m	5 1 2	4 <1	4 0	0 0
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2	4 <1 <1	4 0 2	0 0 2
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1	4 <1 <1 <1	4 0 2 <1	0 0 2 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5	4 <1 <1 <1 11	4 0 2 <1 12	0 0 2 <1 7
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5 1220	4 <1 <1 <1 11 1064	4 0 2 <1 12 1207	0 0 2 <1 7 1222
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298	4 <1 <1 11 1064 320	4 0 2 <1 12 1207 284	0 0 2 <1 7 1222 291
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298 350	4 <1 <1 <1 11 1064 320 358	4 0 2 <1 12 1207 284 345	0 0 2 <1 7 1222 291 325
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298 350 1995	4 <1 <1 11 1064 320 358 2652	4 0 2 <1 12 1207 284 345 2715	0 0 2 <1 7 1222 291 325 2605 history2 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298 350 1995 limit/base	4 <1 <1 11 1064 320 358 2652 current	4 0 2 <1 12 1207 284 345 2715 history1 16 12	0 2 <1 7 1222 291 325 2605 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	5 1 2 1 5 1220 298 350 1995 limit/base	4 <1 <1 11 1064 320 358 2652 <u>current</u> 17 13 2	4 0 2 <1 12 1207 284 345 2715 history1 16 12 3	0 0 2 <1 7 1222 291 325 2605 history2 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298 350 1995 limit/base >25	4 <1 <1 <1 11 1064 320 358 2652 <u>current</u> 17 13	4 0 2 <1 12 1207 284 345 2715 history1 16 12	0 0 2 <1 7 1222 291 325 2605 history2 1 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m	5 1 2 1 5 1220 298 350 1995 limit/base >25	4 <1 <1 11 1064 320 358 2652 <u>current</u> 17 13 2	4 0 2 <1 12 1207 284 345 2715 history1 16 12 3	0 0 2 <1 7 1222 291 325 2605 history2 1 0 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D6304	5 1 2 1 5 1220 298 350 1995 limit/base >25 >20 >0.1	4 <1 <1 11 1064 320 358 2652 Current 17 13 2 ▲ 5.41	4 0 2 <1 12 1207 284 345 2715 history1 16 12 3 3 ▲ 0.587	0 0 2 <1 7 1222 291 325 2605 history2 1 0 1



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	- HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	▲ 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	124.3	115	117	117
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
40 T						
10	ul10/23	iov8/23	125/24			
	2	2 4	Ap			
40 copper						
E 20 10			~			
22 0	23	23	54			
Aug4, Dec5, Apr4,	Jul10	Novă, Feb6/	Apr25,			
Viscosity @ 40°C				Acid Number		
			<u></u>	Abnormal		
Viscosity @ 40°C			(D)H03.0	Abnormal		
Viscosity @ 40°C			(B)HO3 3.0 B)HO3 3.0 B)J 2.0	Abnormal		
Viscosity @ 40°C			(B/HO3 60) 2.0	Abnormal		
Viscosity @ 40°C			(4.1).1.0 Mumper Vacuum Vacuu	Abnormal		
Viscosity @ 40°C	0/23	6/23	0.0 Acid Number	10 - Base	0/23	6/24 + 6
Viscosity @ 40°C	Juit 0/23	Nov8/23	Apr25724 4010 100 100 100 100 100 100 100 100 1	10 - Base	Juli 0/23	Febb.24 - Apr.25/24 - Apr.25/24 -
Viscosity @ 40°C			Apr25/24	00 - Abnomal 00 - Base 00 - Base 00 - CZUG 00 - CZU		4
Viscosity @ 40°C	1 Madiso Recei Teste	on Ave., Cary ived : 31 ed : 06	Apr25/24	ENERV	EST OPERATING 2830 LAUREL B	G - HURRICANI
	White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPE Visc @ 40°C SAMPLE IMAC Color Bottom Entrom Color Bottom	White Metal scalar Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Free Water scalar Free Water scalar Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys 0000 copper 0000 copper 00000 copper	White Metal scalar *Visual Yellow Metal scalar *Visual Precipitate scalar *Visual Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Cdor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Cdor cst ASTM D445 SAMPLE IMAGES method Color Bottom GRAPHS Ferrous Alloys 000-600-600-600-600-600-600-600-600-600	White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE Debris scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Odor scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual Sol 1 Free Water Scalar *Visual Sol 1 SAMPLE IMAGES method 1 Motom 1 Moto	White Metal scalar 'Visual NONE NONE Yellow Metal scalar 'Visual NONE NONE Precipitate scalar 'Visual NONE NONE Silt scalar 'Visual NONE NONE Sand/Dirt scalar 'Visual NONE NONE Appearance scalar 'Visual NONE NONE Appearance scalar 'Visual NORML NORML Odor scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Visual NORML NORML State of the scalar 'Visual NORML NORML Emulsified Water scalar 'Visual NORML NORML Scalar 'Visual NORML NORML Emulsified Water scalar 'Visual ON E NORE Tere Water scalar 'Visual ON E NORML Visc @ 40°C cSt ASTM D445 124.3 115 SAMPLE IMAGES method imit/base current Color Bottom Non-ferrous Alloys 000000000000000000000000000000000000	White Metal scalar 'Visual NONE NONE NONE NONE Precipitate scalar 'Visual NONE NONE NONE Silt scalar 'Visual NONE NONE NONE Debris scalar 'Visual NONE NONE NONE Sand/Dirt scalar 'Visual NONE NONE NONE Appearance scalar 'Visual NORML NORML NORML NORML Emulsified Water scalar 'Visual NORML NORML NORML NORML Emulsified Water scalar 'Visual NORML NORML NORML NORML Stree Water scalar 'Visual NORML NORML NORML NORML Stree Water scalar 'Visual NORML NORML NORML NORML Free Water scalar 'Visual NORML NORML NORML NORML SAMPLE IMAGES method imit/base current history1 Visc @ 40°C cSt ASTM D445 124.3 115 117 SAMPLE IMAGES method imit/base current history1 Color no image Retrow Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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)

Certificate L2367

Contact/Location: Service Manager - ENEVANH

Т:

F: