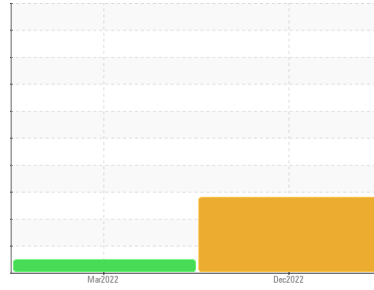


PROBLEM SUMMARY

Machine Id
ST276
Component
Compressor
Fluid
PETRO CANADA SYNDURO SHB ISO 46 (41 LTR)

Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. 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			ABNORMAL	NORMAL	---
Precipitate	scalar	Visual*	▲ LIGHT	NONE	---
Free Water	scalar	Visual*	▲ 5%	NEG	---

Customer Id: GFL286
Sample No.: PC0061565
Lab Number: 02531284
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

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.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

08 Mar 2022 Diag: Kevin Marson

NORMAL



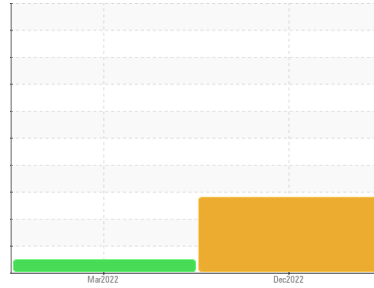
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

view report





Machine Id
ST276
Component
Compressor
Fluid
PETRO CANADA SYNDURO SHB ISO 46 (41 LTR)



DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. 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
Free water present.

Fluid Condition
The white residue present in the sample is oil additive precipitate. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0061565	PC0060988	---
Sample Date	Client Info			01 Dec 2022	08 Mar 2022	---
Machine Age	hrs	Client Info		4817	4451	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Not Chngd	Changed	---
Sample Status				ABNORMAL	NORMAL	---

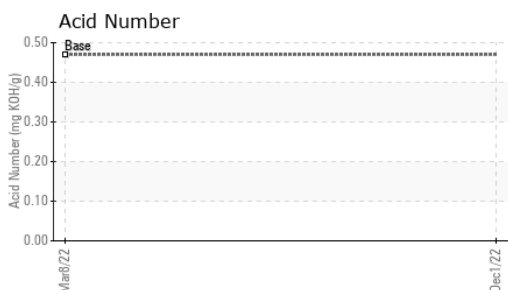
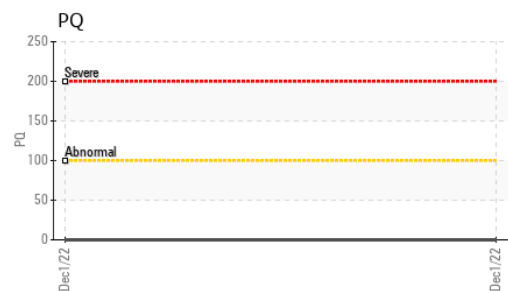
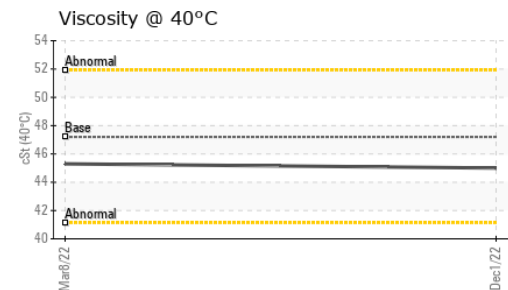
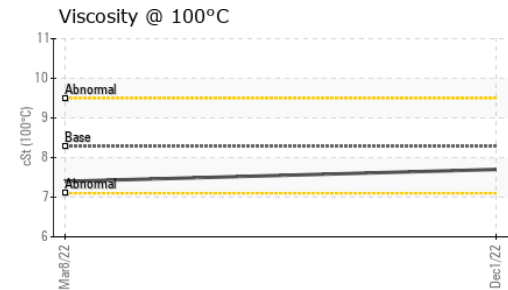
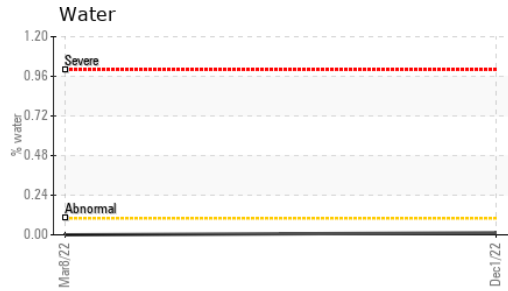
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>50	<1	<1	---
Chromium	ppm	ASTM D5185(m)	>5	0	0	---
Nickel	ppm	ASTM D5185(m)		0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>15	<1	<1	---
Lead	ppm	ASTM D5185(m)	>65	<1	0	---
Copper	ppm	ASTM D5185(m)	>65	<1	<1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Antimony	ppm	ASTM D5185(m)		<1	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		0	<1	---
Barium	ppm	ASTM D5185(m)	5	0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	5	<1	0	---
Calcium	ppm	ASTM D5185(m)	5	0	<1	---
Phosphorus	ppm	ASTM D5185(m)	100	38	32	---
Zinc	ppm	ASTM D5185(m)	5	22	4	---
Sulfur	ppm	ASTM D5185(m)	1900	1177	638	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	0	<1	---
Sodium	ppm	ASTM D5185(m)		0	0	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water	%	ASTM D6304*	>0.1	0.012	---	---
ppm Water	ppm	ASTM D6304*	>1000	126.7	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		3.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*		23.9	---	---

OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs.:1mm	ASTM D7414*		24.1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.47	0.16	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		0.36	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	▲ LIGHT	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	.5%	NEG	---
Free Water	scalar	Visual*		▲ 5%	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	47.2	45.0	45.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.28	7.7	7.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	151	139	127	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0061565 **Received** : 04 Jan 2023 151 Ram Forest Rd,
Lab Number : **02531284** **Diagnosed** : 05 Jan 2023 Stouffville, ON
Unique Number : 5512283 **Diagnostician** : Kevin Marson CA L4A 2G8
Test Package : IND 2 (Additional Tests: Bottom, FT-IR, KF, KV100, TAN Man, TBN, VI) Contact: Shannon Abbott
sabbott@gipi.com

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.

T: (905)750-5900
 F: