

PROBLEM SUMMARY

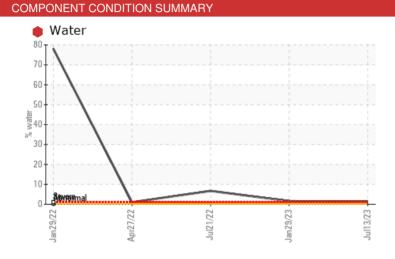
Sample Rating Trend

WATER

FP-010 Machine Id B59276 - CONVEYOR KSI INCLINE SCREW RAW PROD KSI #11 Component Gearbox

Fluid

PETRO CANADA SYNDURO SHB ISO 460 (--- GAL)



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	ABNORMAL	SEVERE		
Water	%	ASTM D6304	>0.2	• 1.18		1.58		
ppm Water	ppm	ASTM D6304	>2000	🛑 11800		15800		
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE		
Appearance	scalar	*Visual	NORML	🔺 MILKY	NORML	🔺 MILKY		
Emulsified Water	scalar	*Visual	>0.2	• 0.2%	NEG	0.2%		

Customer Id: HORAUS Sample No.: WC0826113 Lab Number: 05904323 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

Page 1 of 4

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.		

HISTORICAL DIAGNOSIS



16 Apr 2023 Diag: Angela Borella

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Jan 2023 Diag: Don Baldridge



We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample.Moderate concentration of visible metal present. Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.



25 Oct 2022 Diag: Don Baldridge



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.Gear wear is indicated. All other component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Iron

Tin

Zinc

Particles >38µm

Particles >71µm

Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

ASTM D7647

ASTM D7647

ISO 4406 (c)

mg KOH/g ASTM D8045

>40

>10

0.3

>21/19/16

0.24

FP-010 B59276 - CONVEYOR KSI INCLINE SCREW RAW PROD KSI #11 Component

Gearbox Fluic

PETRO CANADA SYNDURO SHB ISO 460 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

Wear

All component wear rates are normal.

Contamination

Appearance is milky. Moderate concentration of visible dirt/debris present in the oil. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.



Sample Rating Trend

Contact/Location: RYAN LOWE - HORAUS

7

2

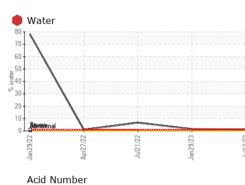
24/22/17

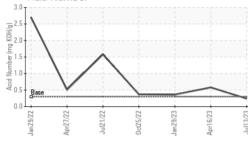
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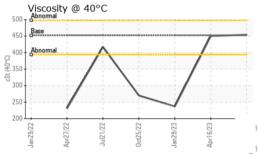
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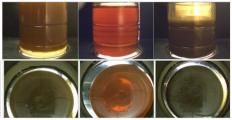
OIL ANALYSIS REPORT



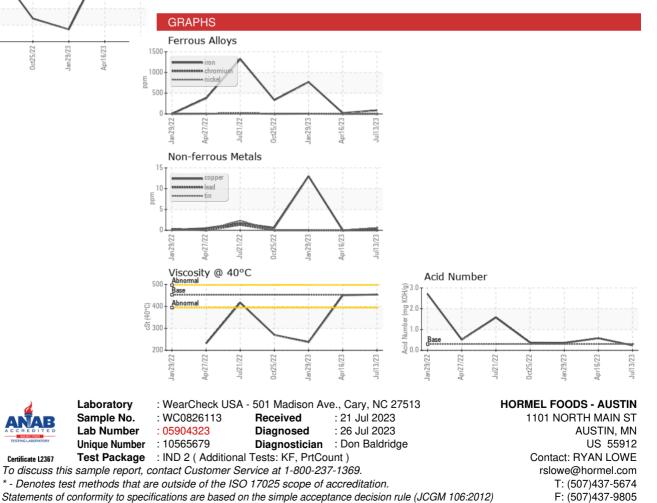




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	🔺 MILKY	NORML	🔺 MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	• 0.2%	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	452	454	450	237
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color				H		



Bottom



Contact/Location: RYAN LOWE - HORAUS