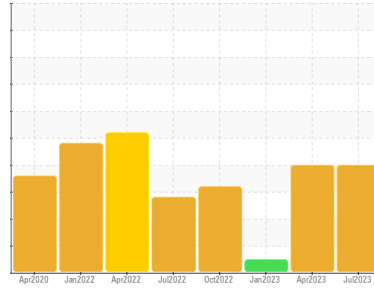


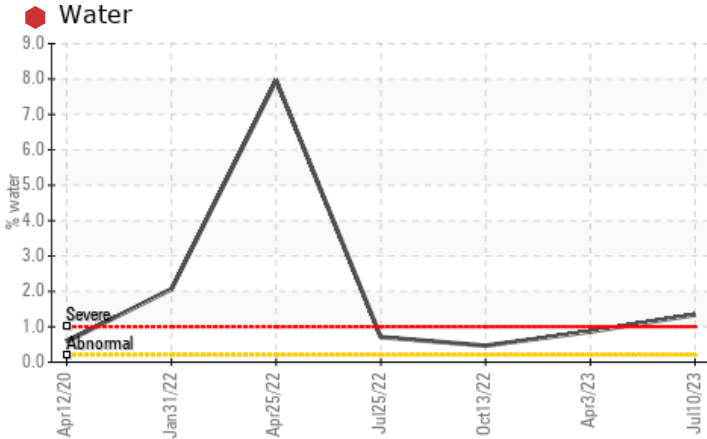
PROBLEM SUMMARY

Area
[98272646]
 Machine Id
KR-GR-003241 - INCLINE AUGER B (SOUTH) (S/N INJECT B - 11513041)
 Component
Gearbox
 Fluid
PETRO CANADA 220 (6 QTS)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



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, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	NORMAL
Water	%	ASTM D6304	>0.2	🔴 1.34	🟡 0.863	---
ppm Water	ppm	ASTM D6304	>2000	🔴 13400	🟡 8630	---
Appearance	scalar	*Visual	NORML	🟡 MILKY	🟡 MILKY	NORML
Emulsified Water	scalar	*Visual	>0.2	🔴 0.2%	0.2%	NEG

Customer Id: KRAKIR
 Sample No.: PCA0099338
 Lab Number: 05895427
 Test Package: IND 1



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@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, and use off-line filtration to improve the cleanliness of the system fluid.
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

03 Apr 2023 Diag: Jonathan Hester

WATER



We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. Free water present. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

view report



10 Jan 2023 Diag: Don Baldrige

NORMAL



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

view report



13 Oct 2022 Diag: Jonathan Hester

WATER



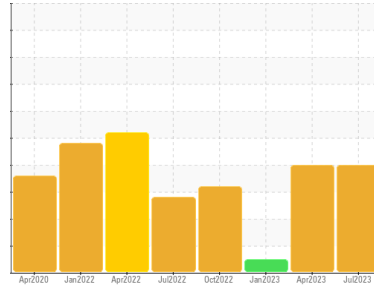
We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is milky. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
[98272646]
 Machine Id
KR-GR-003241 - INCLINE AUGER B (SOUTH) (S/N INJECT B - 11513041)
 Component
Gearbox
 Fluid
PETRO CANADA 220 (6 QTS)

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, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0099338	PCA0094055	PCA0087255
Sample Date	Client Info	10 Jul 2023	03 Apr 2023	10 Jan 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		SEVERE	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	146	38	22
Chromium	ppm	ASTM D5185m >15	<1	0	<1
Nickel	ppm	ASTM D5185m >15	<1	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	1	<1	0
Lead	ppm	ASTM D5185m >100	0	0	<1
Copper	ppm	ASTM D5185m >200	0	0	<1
Tin	ppm	ASTM D5185m >25	0	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	3
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	2
Calcium	ppm	ASTM D5185m	1	<1	14
Phosphorus	ppm	ASTM D5185m	242	211	342
Zinc	ppm	ASTM D5185m	4	<1	22
Sulfur	ppm	ASTM D5185m	14114	10986	13230

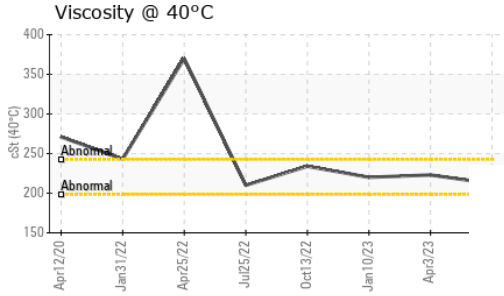
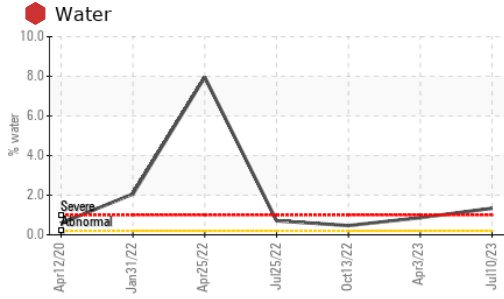
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	2	1	2
Sodium	ppm	ASTM D5185m	<1	0	2
Potassium	ppm	ASTM D5185m >20	<1	0	2
Water	%	ASTM D6304 >0.2	1.34	0.863	---
ppm Water	ppm	ASTM D6304 >2000	13400	8630	---

VISUAL

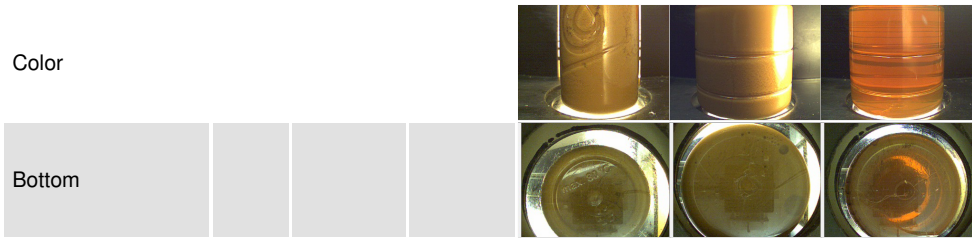
method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	MODER	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	MILKY	MILKY	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	0.2%	0.2%	NEG
Free Water	scalar	*Visual	NEG	1.0	NEG

OIL ANALYSIS REPORT

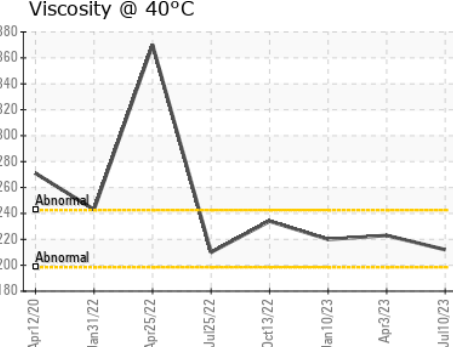
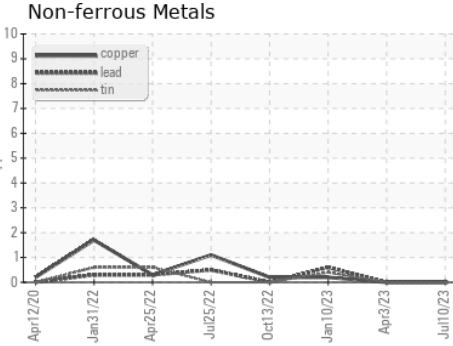
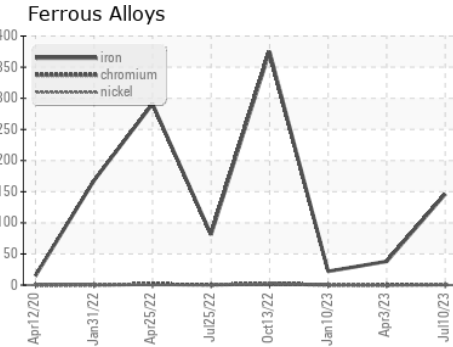


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		212	223	220

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099338
Lab Number : 05895427
Unique Number : 10551237
Test Package : IND 1 (Additional Tests: KF)

KraftHeinz - Kirksville - Plant 8333 PCA
 2504 INDUSTRIAL DR
 KIRKSVILLE, MO
 US 63501
 Contact: WALLACE WARD
 wallace.ward@kraftheinzcompany.com
 T: (660)627-1031
 F: (660)627-5887

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)