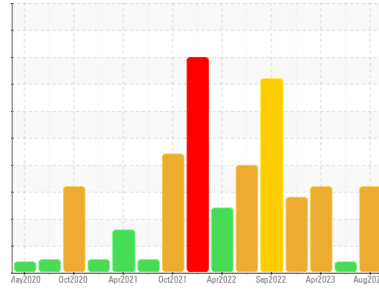


PROBLEM SUMMARY

Sample Rating Trend

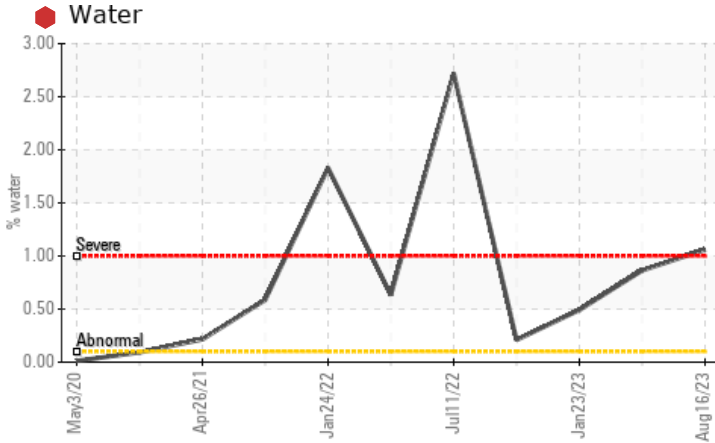


WATER



Machine Id
KR-GR-000325-SOUTH - 15000 LB MIXER (S/N MIX D - 11513074)
 Component
Gear Reducer
 Fluid
PETRO CANADA 220 (50 QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ATTENTION	ABNORMAL
Water	%	ASTM D6304	>0.1	🔴 1.06	---	🟡 0.864
ppm Water	ppm	ASTM D6304	>1000	🔴 10600	---	🟡 8640
Emulsified Water	scalar	*Visual	>0.1	🔴 0.2%	NEG	🟡 0.2%

Customer Id: KRAKIR
 Sample No.: PCA0101927
 Lab Number: 05926499
 Test Package: IND 1



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
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
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

31 Jul 2023 Diag: Jonathan Hester

VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

[view report](#)



23 Apr 2023 Diag: Don Baldrige

WATER



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. All component wear rates are normal. Appearance is milky. There is a high amount of visible silt present in the sample. 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](#)



23 Jan 2023 Diag: Don Baldrige

WATER



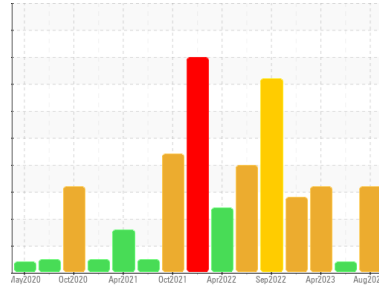
We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)





Machine Id
KR-GR-000325-SOUTH - 15000 LB MIXER (S/N MIX D - 11513074)
 Component
Gear Reducer
 Fluid
PETRO CANADA 220 (50 QTS)



DIAGNOSIS

Recommendation
 We advise that you check for the source of water entry. 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0101927	PCA0102536	PCA0093103
Sample Date	Client Info	16 Aug 2023	31 Jul 2023	23 Apr 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	ATTENTION	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >150	46	0	45
Chromium	ppm	ASTM D5185m >10	<1	0	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	0
Lead	ppm	ASTM D5185m >100	0	0	<1
Copper	ppm	ASTM D5185m >50	<1	<1	<1
Tin	ppm	ASTM D5185m >10	<1	0	<1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	<1	<1	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	0	40
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	271	0	273
Manganese	ppm	ASTM D5185m	2	<1	2
Magnesium	ppm	ASTM D5185m	2	2	1
Calcium	ppm	ASTM D5185m	100	0	106
Phosphorus	ppm	ASTM D5185m	940	197	978
Zinc	ppm	ASTM D5185m	101	0	118
Sulfur	ppm	ASTM D5185m	22901	210	24065

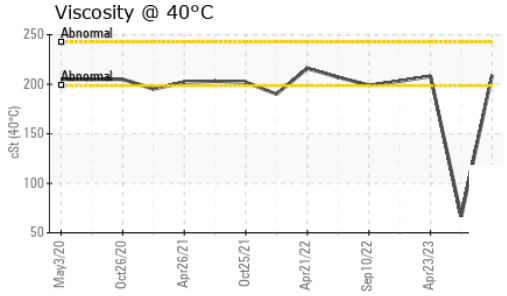
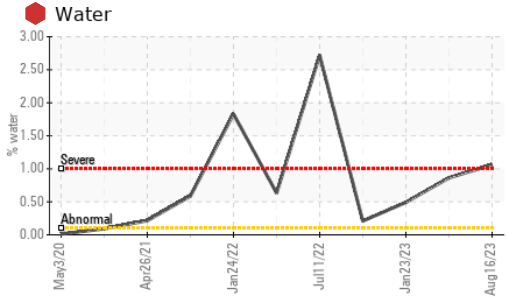
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	11	<1	12
Sodium	ppm	ASTM D5185m	19	1	18
Potassium	ppm	ASTM D5185m >20	3	2	3
Water	%	ASTM D6304 >0.1	1.06	---	▲ 0.864
ppm Water	ppm	ASTM D6304 >1000	10600	---	▲ 8640

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	▲ HEAVY
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	▲ MILKY
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	0.2%	NEG	▲ 0.2%
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

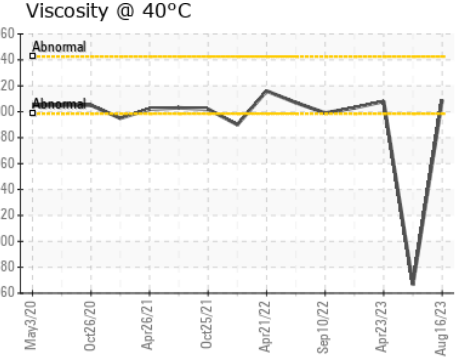
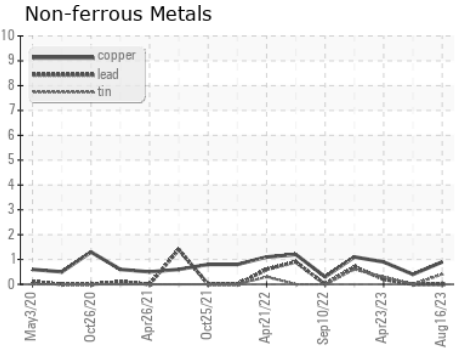
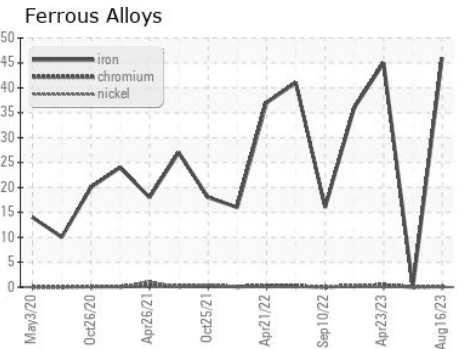


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		209	▲ 66.6	208

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101927 **Received** : 16 Aug 2023
Lab Number : 05926499 **Diagnosed** : 18 Aug 2023
Unique Number : 10606446 **Diagnostician** : Jonathan Hester
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)