

OIL ANALYSIS REPORT

Sample Rating Trend



FRICK FRICK 4 (S/N 201366)

Component

Compressor Fluid

PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

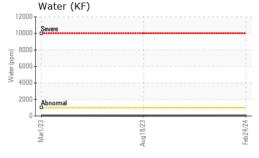
Fluid Condition

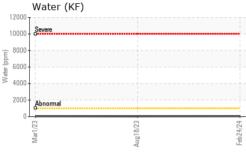
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

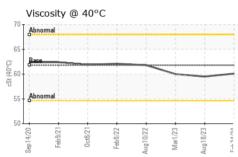
	•	3692020	002021 10020	22 Aug2022 Mar2023 Aug2023	Feb2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0102080	PCA0102095	PCA0092586
Sample Date		Client Info		24 Feb 2024	18 Aug 2023	01 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
Oddiniani	ppiii	AO INI DO IOSIII		<1	U	0
ADDITIVES	ррш	method	limit/base	current	history1	history2
	ppm		limit/base			
ADDITIVES		method		current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	0	current 0	history1	history2
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	0	current 0 0	history1 0 0	history2 0 0
ADDITIVES Boron Barium Molybdenum	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	0	current 0 0 <	history1 0 0 0	history2 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	current 0 0 <	history1 0 0 0 0	history2 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	current 0 0 <	history1 0 0 0 0 0	history2 0 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0	current 0 0 <1 <1 0 0 <1 0 0 0 0 0 0 0 0 0 0 0	history1 0 0 0 0 0 <	history2 0 0 0 0 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0	current 0 0	history1 0 0 0 0 <1 2 7	history2 0 0 0 0 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0 0 0	current 0 0 <-1 <-1 0 0 <-1 0 0 0 0 0 0 0	history1 0 0 0 0 0 <1 2 7 0	history2 0 0 0 0 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0 0 0 0	current 0 0 <	history1 0 0 0 0 <1 2 7 0 60	history2 0 0 0 0 0 0 0 0 0 0 38
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0 0 0 0 0	current 0 0 0 <1 <1 0 0 <1 0 current	history1 0 0 0 0 0 <1 2 7 0 60 history1	history2 0 0 0 0 0 0 0 0 38 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0 0 0 0 0	current 0 0 0 <1 <1 0 0 <1 0 0 <1 0 current 1	history1 0 0 0 0 <1 2 7 0 60 history1	history2 0 0 0 0 0 0 0 0 0 38 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	0 0 0 0 0 0 0 0 0 timit/base	current 0 0 0 <1 <1 0 0 <1 0 0 <1 0 current 1 4	history1 0 0 0 0 <1 2 7 0 60 history1 2	history2 0 0 0 0 0 0 0 0 38 history2 2 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	method ASTM D5185m	0 0 0 0 0 0 0 0 0 limit/base >25	current 0 0 0 <1 <1 0 0 <1 0 current 1 4 1	history1 0 0 0 0 <1 2 7 0 60 history1 2 0 0	history2 0 0 0 0 0 0 0 0 0 38 history2 2 0 <1
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D6304	0 0 0 0 0 0 0 0 0 0 1imit/base >25 >20 >0.1	current 0 0 0 <1 <1 0 0 <1 0 0 <1 0 current 1 0 0 0 current 1 4 1 0.003	history1 0 0 0 0 0 <1 2 7 0 60 history1 2 0 0 0.001	history2 0 0 0 0 0 0 0 38 history2 2 0 <1 0.003



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VISUAL		method				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	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

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Visc @ 40°C	cSt	ASTM D445	61.8	60.1	59.5	60.0

SAMPLE	IMAGES



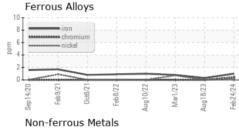


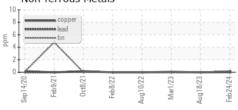


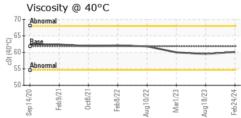
GRAPHS

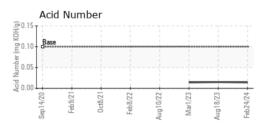
Color

Bottom













Report Id: SMICUD [WUSCAR] 06106215 (Generated: 03/05/2024 12:47:35) Rev: 1

Laboratory Sample No. Lab Number : 06106215 Unique Number : 10909712

: PCA0102080

Test Package : IND 2 (Additional Tests: KF)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed

: 01 Mar 2024 : 05 Mar 2024

: 05 Mar 2024 - Don Baldridge

SMITHFIELD FOODS ONE SWEET APPLEWOOD LANE CUDAHY, WI

US 53110 Contact: PETE LERAY pleray@smithfield.com

T: (414)918-3258

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)

Contact/Location: PETE LERAY - SMICUD

F: