



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
20007971 - CAKE FREEZER (S/N 407593)

Component
Gearbox

Fluid
PETRO CANADA PURITY FG SYN GEAR ISO 220 (28 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. 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.

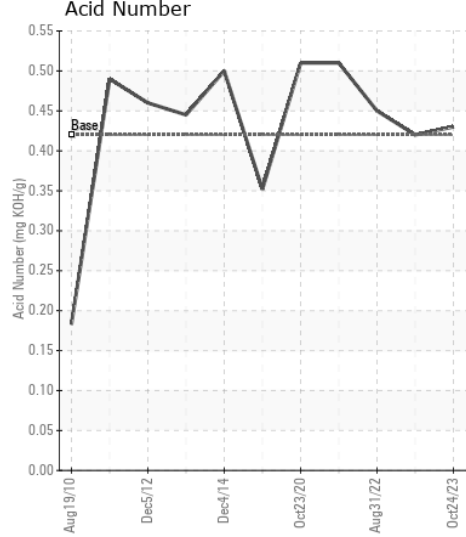
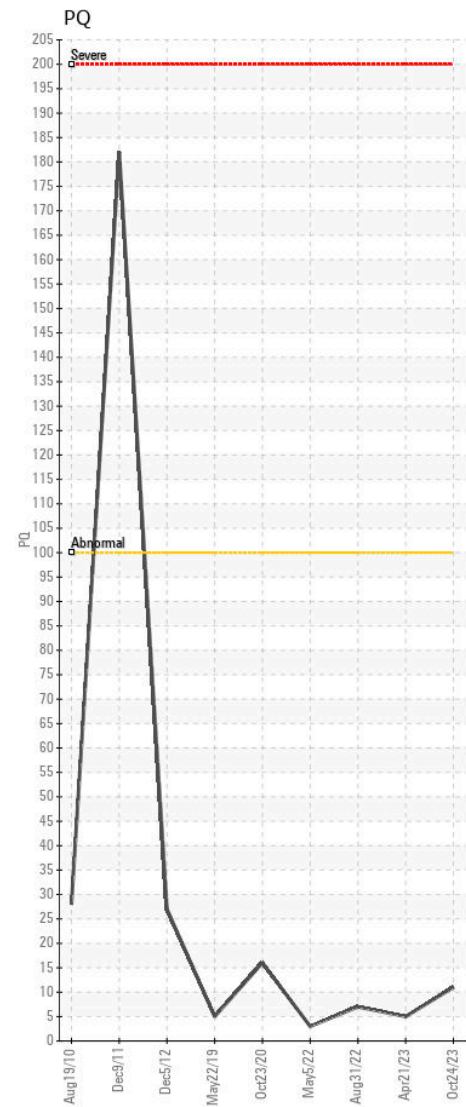
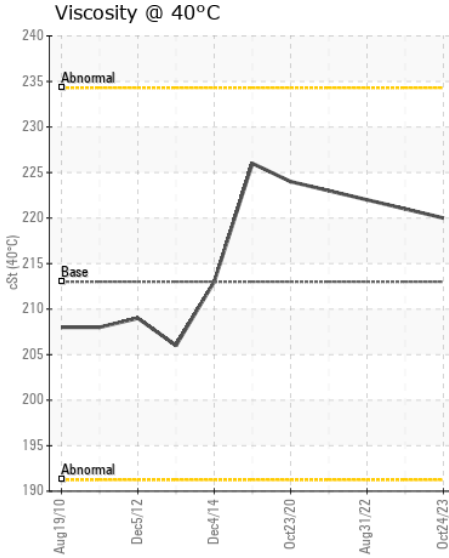
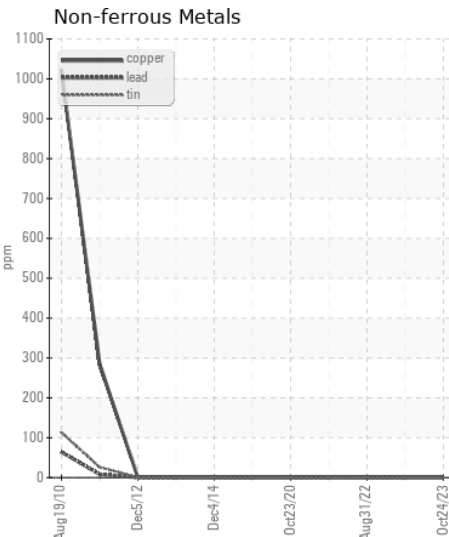
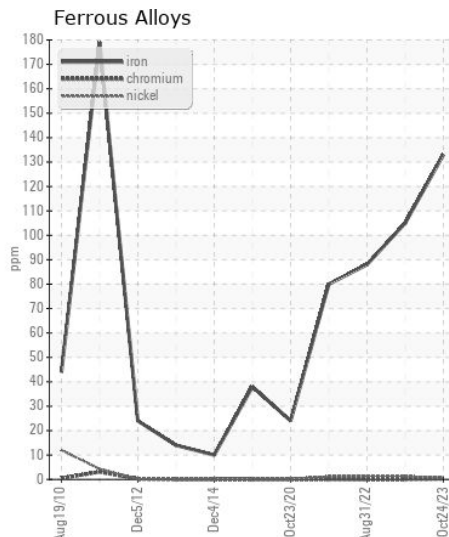
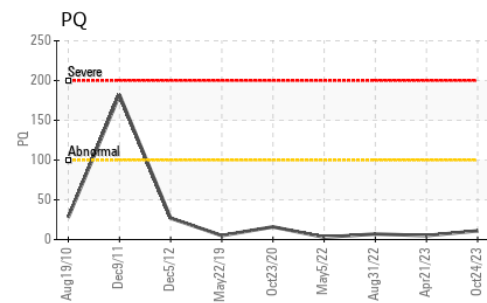
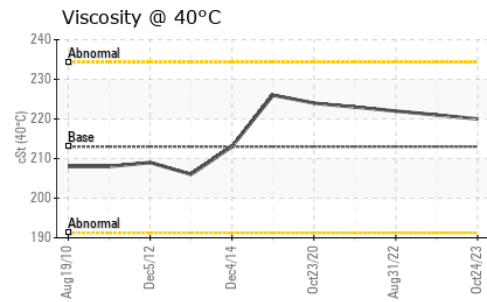
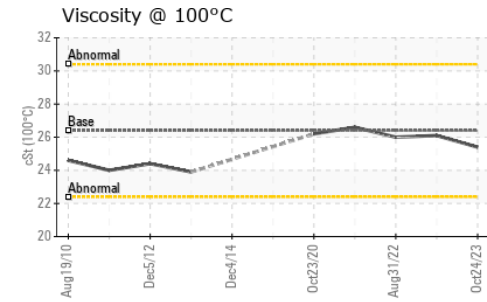
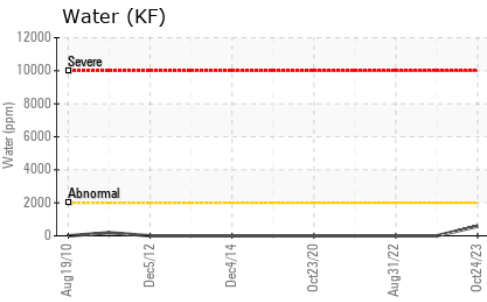
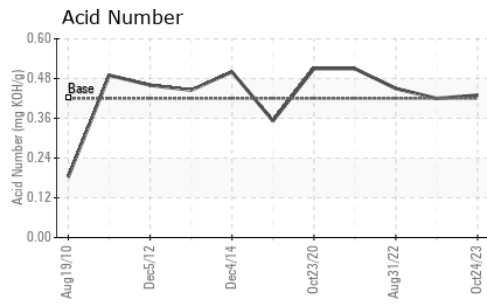
CONTAMINATION

Free water present.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0058603	PC0058599	PC0058613
Sample Date		Client Info		24 Oct 2023	21 Apr 2023	31 Aug 2022
Machine Age	hrs	Client Info		89000	22000	21000
Oil Age	hrs	Client Info		5000	4000	3000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*		11	5	7
Iron	ppm	ASTM D5185(m)	>200	133	105	88
Chromium	ppm	ASTM D5185(m)	>15	<1	0	0
Nickel	ppm	ASTM D5185(m)	>15	<1	1	1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>100	0	0	0
Copper	ppm	ASTM D5185(m)	>200	<1	<1	0
Tin	ppm	ASTM D5185(m)	>25	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	6	5	5
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water	%	ASTM D6304*	>0.2	0.058	---	---
ppm Water	ppm	ASTM D6304*	>2000	588.2	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	WGOIL	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	.2%	NEG	NEG
Sodium	ppm	ASTM D5185(m)		5	3	2
Boron	ppm	ASTM D5185(m)		2	1	1
Barium	ppm	ASTM D5185(m)		2	<1	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	1	<1
Magnesium	ppm	ASTM D5185(m)		<1	<1	1
Calcium	ppm	ASTM D5185(m)		4	2	3
Phosphorus	ppm	ASTM D5185(m)		535	614	540
Zinc	ppm	ASTM D5185(m)		3	3	2
Sulfur	ppm	ASTM D5185(m)		1076	924	478
Acid Number (AN)	mg KOH/g	ASTM D974*	0.42	0.43	0.42	0.45
Visc @ 40°C	cSt	ASTM D7279(m)	213	220	221	222
Visc @ 100°C	cSt	ASTM D7279(m)	26.4	25.4	26.1	26.0
Viscosity Index (VI)	Scale	ASTM D2270*	158	146	150	149



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0058603
Lab Number : 02592489
Unique Number : 5669568
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)
Received : 27 Oct 2023
Tested : 30 Oct 2023
Diagnosed : 31 Oct 2023 - Kevin Marson

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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.