

Machine Id  
**20008016 POCKET FREEZER #1 (S/N 87.7969760101)**

Component  
**Gearbox**

Fluid  
**PETRO CANADA PURITY FG EP GEAR OIL 220 (60 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 advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We recommend an early resample to monitor this condition. NOTE: Test values may be askew due high concentration of free water present in sample.

### WEAR

All component wear rates are normal.

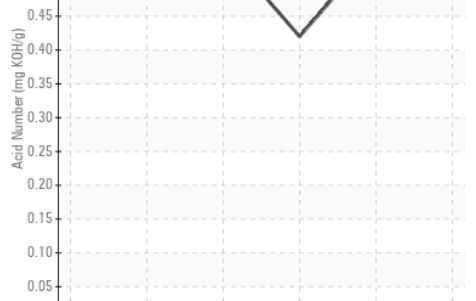
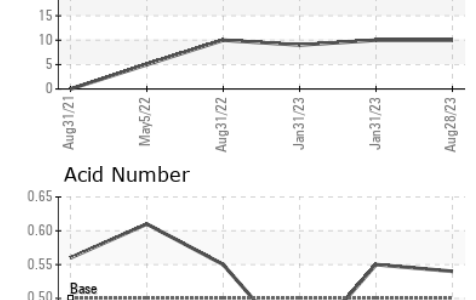
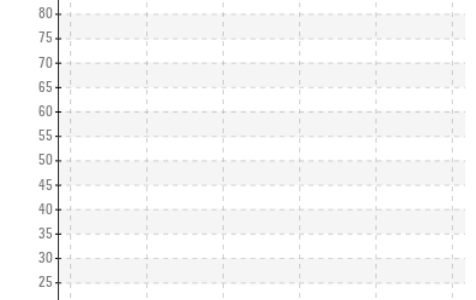
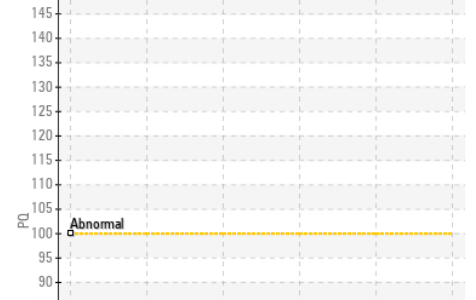
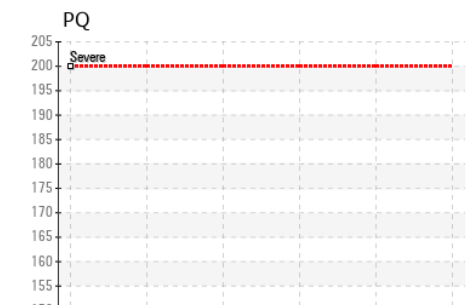
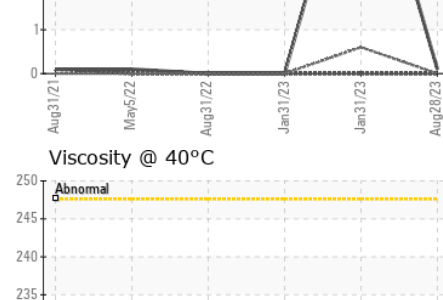
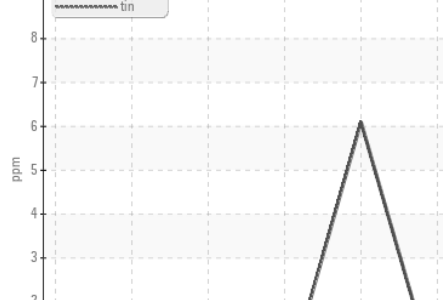
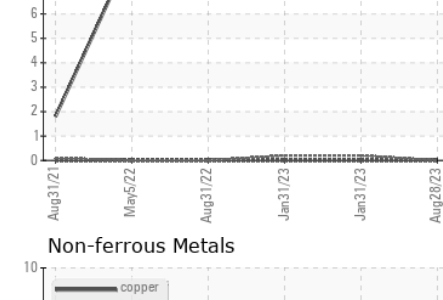
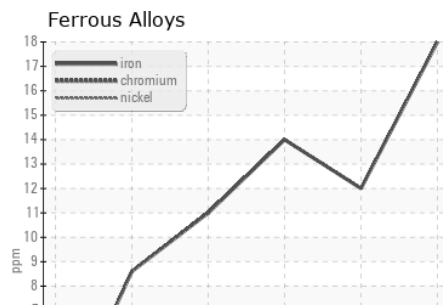
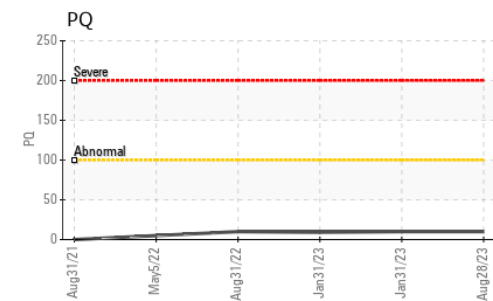
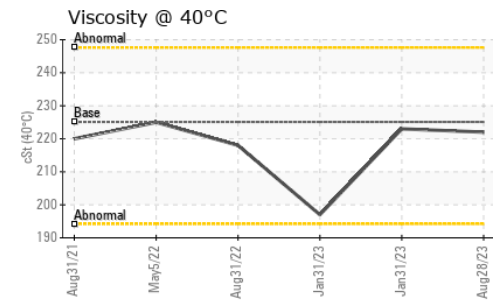
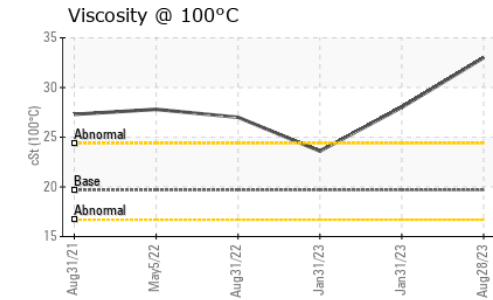
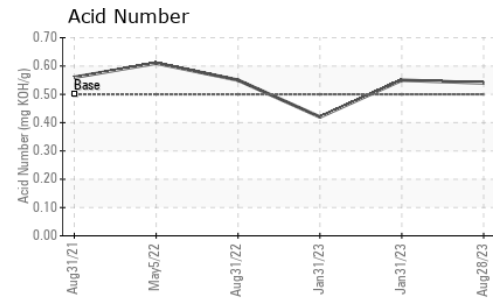
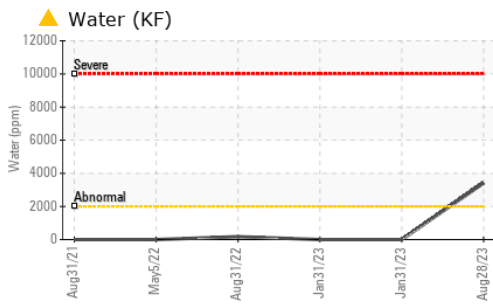
### CONTAMINATION

There is a moderate concentration of water present in the oil. 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		<b>PC0058596</b>	PC0058614	PC0058604
Sample Date		Client Info		<b>28 Aug 2023</b>	31 Jan 2023	31 Jan 2023
Machine Age	hrs	Client Info		<b>6000</b>	200	4800
Oil Age	hrs	Client Info		<b>6000</b>	200	4800
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184*		<b>10</b>	10	9
Iron	ppm	ASTM D5185(m)	>200	<b>18</b>	14	12
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	2
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	0	6
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>4</b>	3	10
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Water	%	ASTM D6304*	>0.2	<b>▲ 0.341</b>	---	---
ppm Water	ppm	ASTM D6304*	>2000	<b>▲ 3410.9</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>▲ WGOIL</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>▲ .2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>4</b>	1	<1
Boron	ppm	ASTM D5185(m)		<b>12</b>	15	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>17</b>	17	<1
Phosphorus	ppm	ASTM D5185(m)	135	<b>194</b>	213	415
Zinc	ppm	ASTM D5185(m)		<b>7</b>	3	5
Sulfur	ppm	ASTM D5185(m)	660	<b>4078</b>	4247	1013
Acid Number (AN)	mg KOH/g	ASTM D974*	0.50	<b>0.54</b>	0.55	0.42
Visc @ 40°C	cSt	ASTM D7279(m)	225.1	<b>222</b>	223	197
Visc @ 100°C	cSt	ASTM D7279(m)	19.69	<b>33.0</b>	28.0	23.6
Viscosity Index (VI)	Scale	ASTM D2270*	100	<b>194</b>	162	147



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0058596  
**Lab Number** : 02581034  
**Unique Number** : 5642099  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, TAN Man, VI )

**Received** : 07 Sep 2023  
**Tested** : 08 Sep 2023  
**Diagnosed** : 08 Sep 2023 - Kevin Marson

**MCCAIN FOODS-FLORENCEVILLE**  
 8800 MAIN ST  
 FLORENCEVILLE-BRISTOL, NB  
 CA E7L 1B2

Contact: Robert Green  
 robert.green@mccain.ca  
 T: (506)392-4839  
 F: (506)392-0891

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.