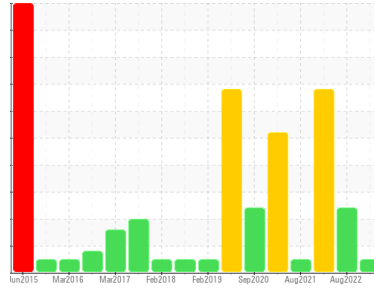


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
#2 POCKET FREEZER DRIVE (S/N 186261B)

Component
Gearbox

Fluid
PETRO CANADA PURITY FG EP GEAR OIL 220 (40 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0058601	PC0040040	PC0040034
Sample Date	Client Info	28 Aug 2023	31 Aug 2022	05 May 2022
Machine Age	hrs	1000	15500	14500
Oil Age	hrs	1000	3000	2000
Oil Changed	Client Info	Not Changed	Not Changd	Not Changed
Sample Status		NORMAL	ABNORMAL	SEVERE

WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184*	24	72	84	
Iron	ppm	ASTM D5185(m) >200	32	▲ 372	▲ 247
Chromium	ppm	ASTM D5185(m) >15	<1	1	<1
Nickel	ppm	ASTM D5185(m) >15	0	0	<1
Titanium	ppm	ASTM D5185(m)	1	<1	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	0	<1	<1
Lead	ppm	ASTM D5185(m) >100	<1	0	<1
Copper	ppm	ASTM D5185(m) >200	7	4	4
Tin	ppm	ASTM D5185(m) >25	<1	0	<1
Antimony	ppm	ASTM D5185(m) >5	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

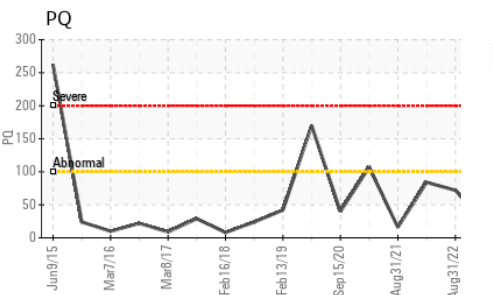
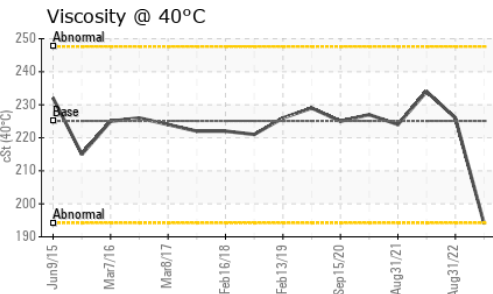
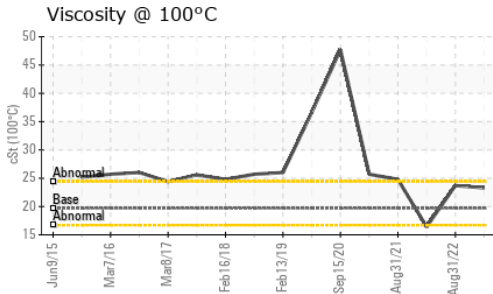
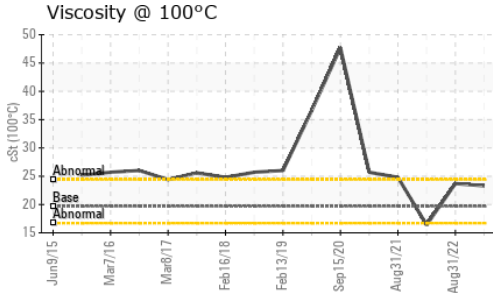
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	2	3	4
Barium	ppm	ASTM D5185(m)	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	1	<1	0
Manganese	ppm	ASTM D5185(m)	<1	3	2
Magnesium	ppm	ASTM D5185(m)	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	3	50	40
Phosphorus	ppm	ASTM D5185(m) 135	369	432	414
Zinc	ppm	ASTM D5185(m)	6	2	2
Sulfur	ppm	ASTM D5185(m) 660	939	987	1071
Lithium	ppm	ASTM D5185(m)	4	<1	0

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >50	13	9	7
Sodium	ppm	ASTM D5185(m)	2	12	17
Potassium	ppm	ASTM D5185(m) >20	<1	<1	<1

FLUID DEGRADATION

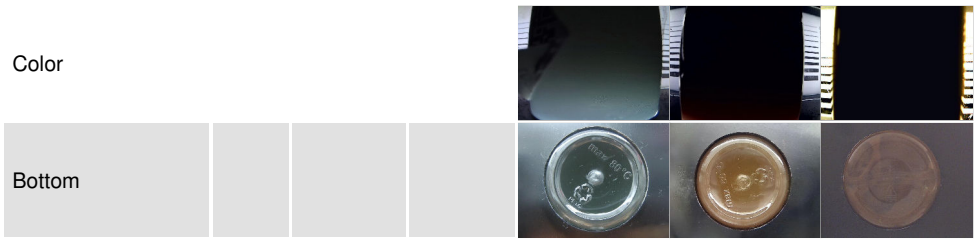
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974* 0.50	0.34	0.32	0.26



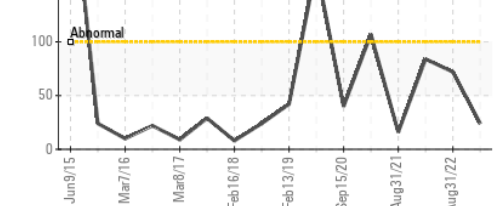
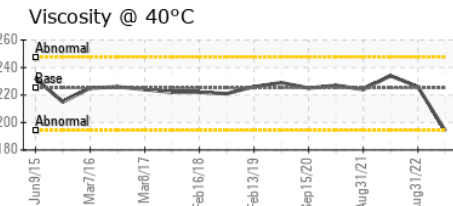
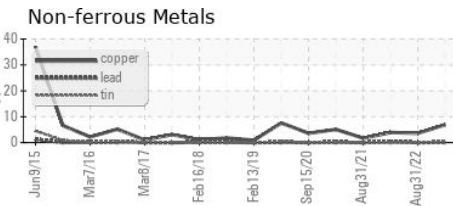
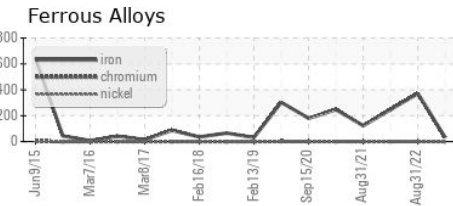
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	▲ MILKY
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .5%
Free Water	scalar	Visual*		NEG	▲ 5%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	225.1	194	226
Visc @ 100°C	cSt	ASTM D7279(m)	19.69	23.3	23.7
Viscosity Index (VI)	Scale	ASTM D2270*	100	147	130

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0058601
Lab Number : 02581035
Unique Number : 5642100
Test Package : IND 2 (Additional Tests: KV100, VI)
Received : 07 Sep 2023
Diagnosed : 08 Sep 2023
Diagnostician : Wes Davis

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.

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