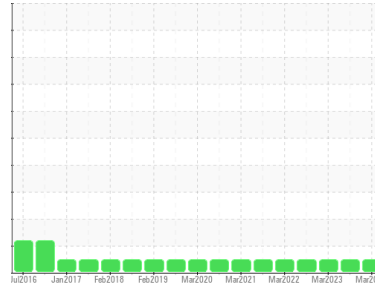




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
C430204 Center Pier Aerator

Component
Gearbox

Fluid
PETRO CANADA PURITY FG EP GEAR OIL 220 (45 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. 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	WC	WC	WC
Sample Date	Client Info	15 Mar 2024	15 Sep 2023	13 Mar 2023
Machine Age	days	Client Info	0	0
Oil Age	days	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1
Barium	ppm	ASTM D5185(m)	0	0
Molybdenum	ppm	ASTM D5185(m)	61	60
Manganese	ppm	ASTM D5185(m)	0	0
Magnesium	ppm	ASTM D5185(m)	0	0
Calcium	ppm	ASTM D5185(m)	7	8
Phosphorus	ppm	ASTM D5185(m) 135	619	646
Zinc	ppm	ASTM D5185(m)	9	11
Sulfur	ppm	ASTM D5185(m) 660	592	554
Lithium	ppm	ASTM D5185(m)	<1	<1

CONTAMINANTS

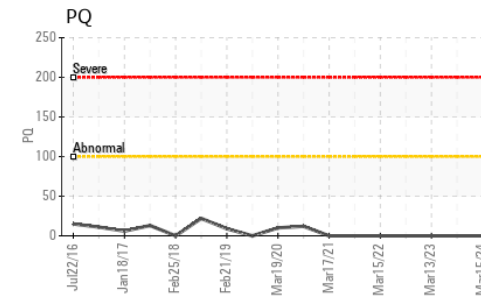
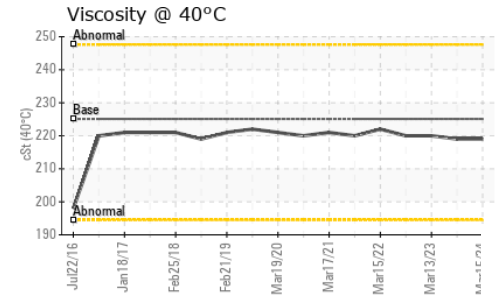
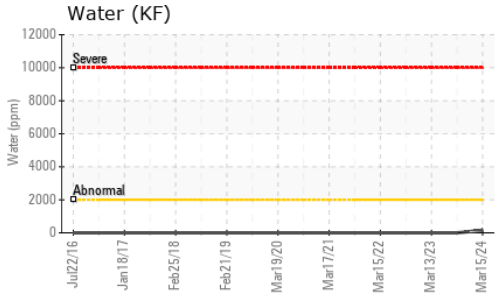
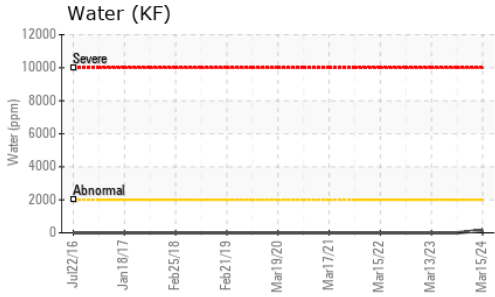
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	2	2
Sodium	ppm	ASTM D5185(m)	0	0
Potassium	ppm	ASTM D5185(m) >20	<1	0
Water	%	ASTM D6304* >0.2	0.015	---
ppm Water	ppm	ASTM D6304* >2000	155	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.50	0.69	0.62



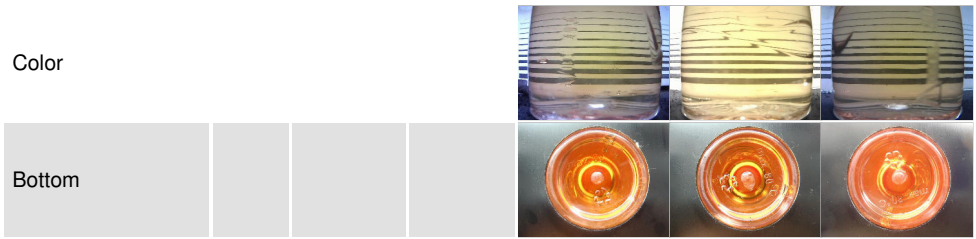
OIL ANALYSIS REPORT



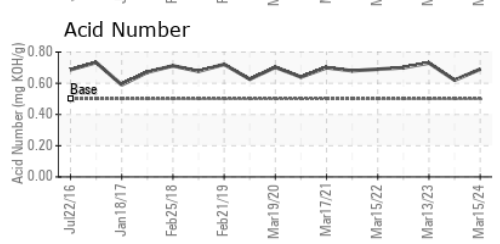
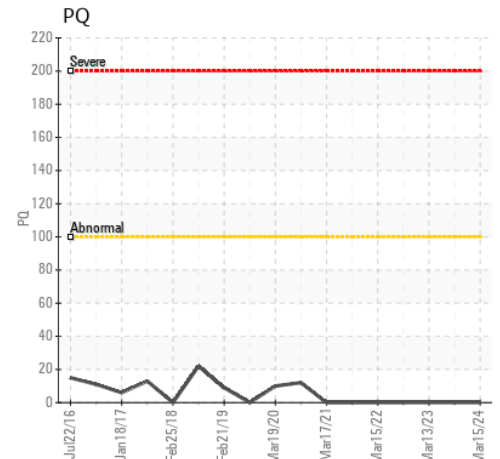
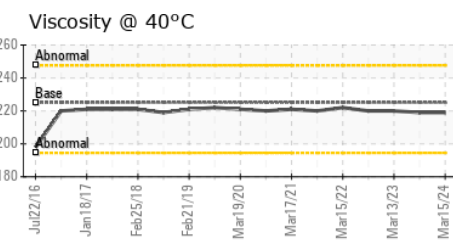
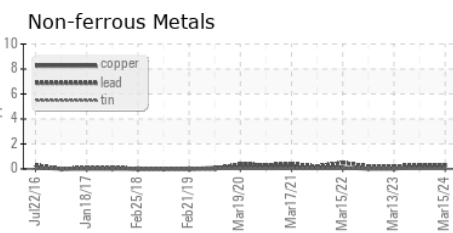
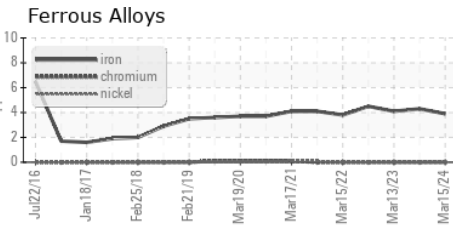
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	.2%	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	225.1	219	220

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



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC **Received** : 19 Mar 2024
Lab Number : **02623150** **Tested** : 20 Mar 2024
Unique Number : 5748269 **Diagnosed** : 20 Mar 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF, TAN Man)

INGREDION INC
 4040 JAMES STREET
 CARDINAL, ON
 CA K0E 1E0
 Contact: James Byers
 james.byers@ingredion.com
 T: (613)657-3131
 F: (613)657-1955

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.