



OIL ANALYSIS REPORT

Sample Rating Trend

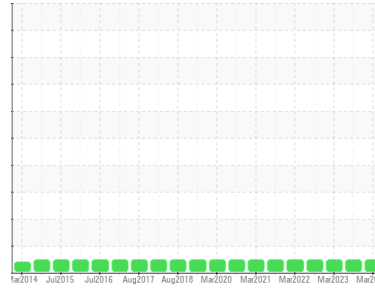
NORMAL



Machine Id
C230204 #6 Cooler Agitator

Component
Gearbox

Fluid
PETRO CANADA PURITY FG SYN GEAR ISO 220 (23 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	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

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	0
Iron	ppm	ASTM D5185(m) >200	13	14
Chromium	ppm	ASTM D5185(m) >15	<1	<1
Nickel	ppm	ASTM D5185(m) >15	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0
Silver	ppm	ASTM D5185(m)	0	0
Aluminum	ppm	ASTM D5185(m) >25	3	3
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)	<1	<1
Manganese	ppm	ASTM D5185(m)	0	<1
Magnesium	ppm	ASTM D5185(m)	0	<1
Calcium	ppm	ASTM D5185(m)	8	9
Phosphorus	ppm	ASTM D5185(m)	565	617
Zinc	ppm	ASTM D5185(m)	35	38
Sulfur	ppm	ASTM D5185(m)	460	463
Lithium	ppm	ASTM D5185(m)	<1	<1

CONTAMINANTS

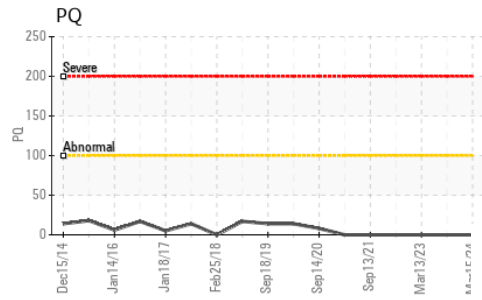
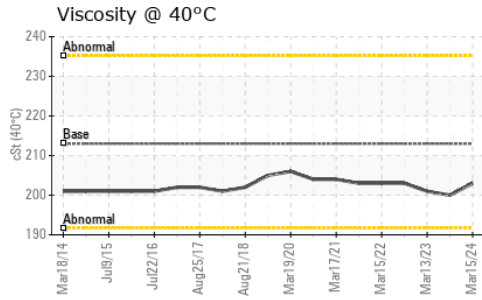
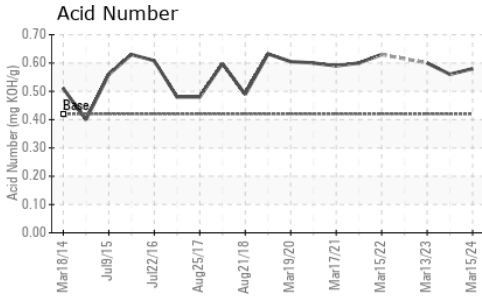
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	8	11
Sodium	ppm	ASTM D5185(m)	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<1	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.42	0.58	0.56



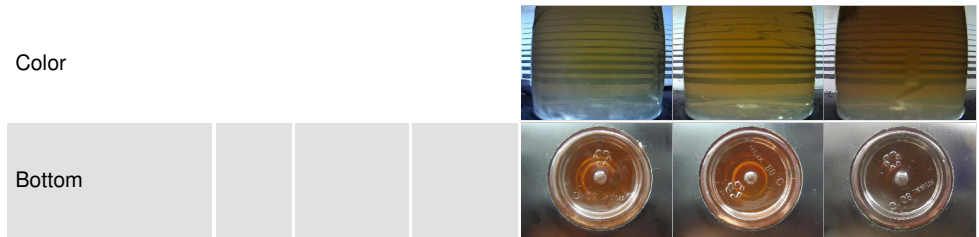
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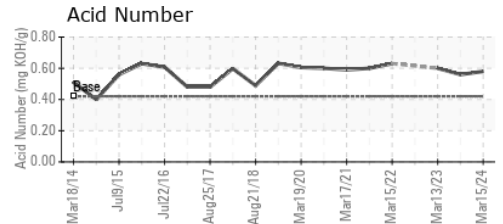
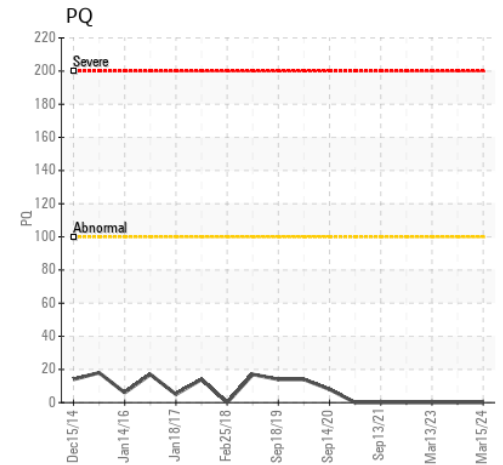
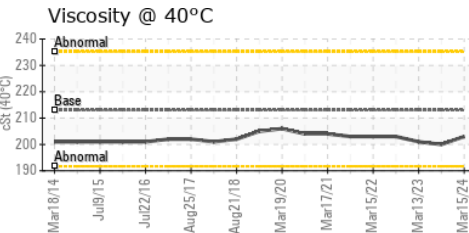
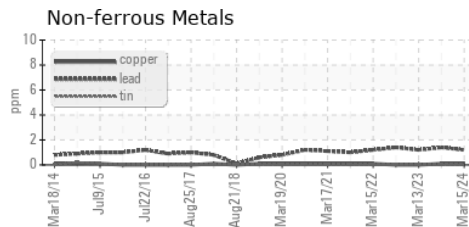
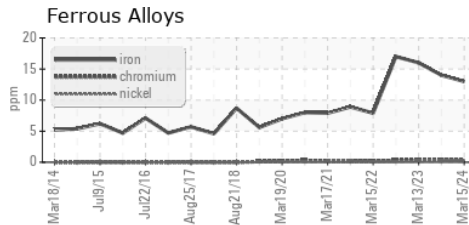
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	213	203	201

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 Sample No. : WC Received : 19 Mar 2024
 Lab Number : 02623154 Tested : 20 Mar 2024
 Unique Number : 5748273 Diagnosed : 20 Mar 2024 - Kevin Marson
 Test Package : IND 2 (Additional Tests: TAN Man)

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.

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