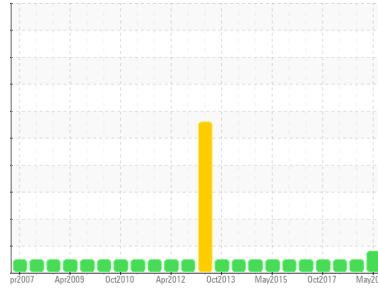


OIL ANALYSIS REPORT

Area
DRYER DEPT
Machine Id
WHEY COMPRESSOR 1 (S/N 03141)
Component
Reciprocating Compressor
Fluid
TRIBOSPEC FRIGOSPEC ISO 68 (20 LTR)

Sample Rating Trend



OFF SPEC



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

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. 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	PC0080969	PC0051885	PC412167
Sample Date	Client Info	01 May 2024	27 Oct 2021	14 Apr 2019
Machine Age	hrs	Client Info	171845	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	10
Iron	ppm	ASTM D5185(m) >50	1	6
Chromium	ppm	ASTM D5185(m) >10	0	0
Nickel	ppm	ASTM D5185(m)	0	<1
Titanium	ppm	ASTM D5185(m)	0	0
Silver	ppm	ASTM D5185(m)	0	0
Aluminum	ppm	ASTM D5185(m) >25	0	<1
Lead	ppm	ASTM D5185(m) >25	0	0
Copper	ppm	ASTM D5185(m) >50	0	<1
Tin	ppm	ASTM D5185(m) >15	0	<1
Antimony	ppm	ASTM D5185(m)	0	<1
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)	3	0
Molybdenum	ppm	ASTM D5185(m)	0	0
Manganese	ppm	ASTM D5185(m)	0	0
Magnesium	ppm	ASTM D5185(m)	<1	0
Calcium	ppm	ASTM D5185(m)	0	<1
Phosphorus	ppm	ASTM D5185(m)	0	0
Zinc	ppm	ASTM D5185(m)	<1	<1
Sulfur	ppm	ASTM D5185(m)	10	20
Lithium	ppm	ASTM D5185(m)	<1	<1

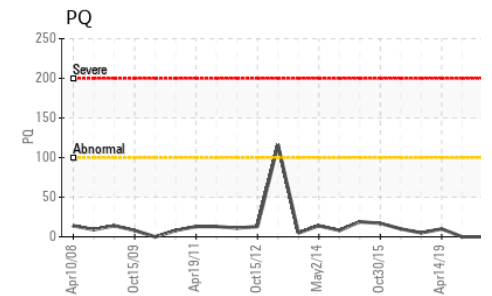
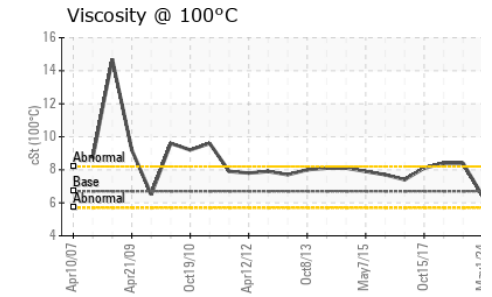
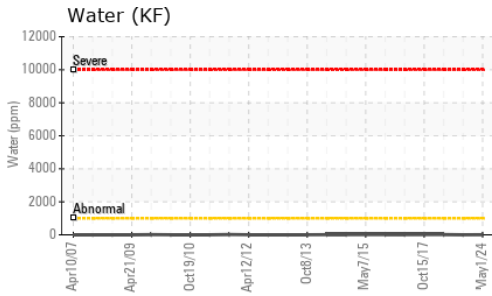
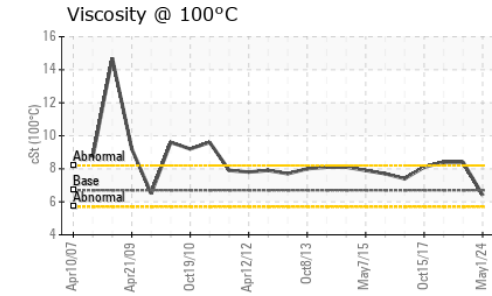
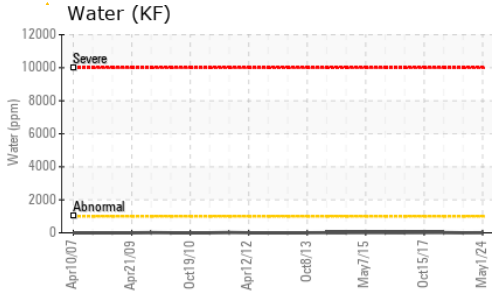
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	0	0
Sodium	ppm	ASTM D5185(m)	1	0
Potassium	ppm	ASTM D5185(m) >20	<1	<1
Water	%	ASTM D6304* >0.1	0.001	---
ppm Water	ppm	ASTM D6304* >1000	4	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.01

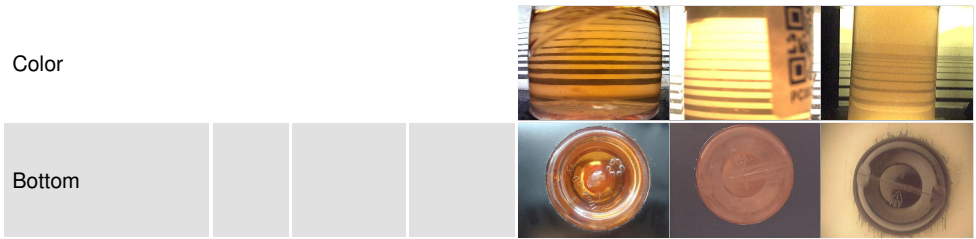
OIL ANALYSIS REPORT



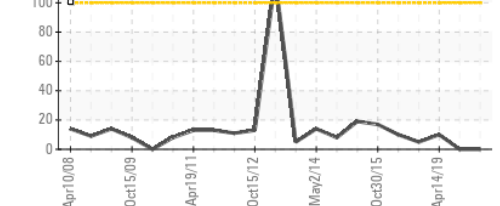
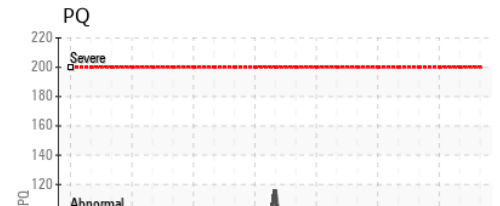
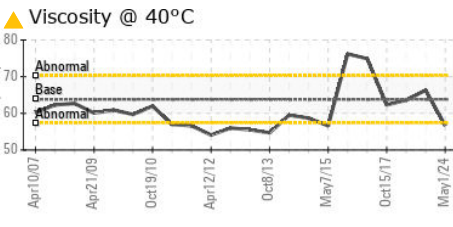
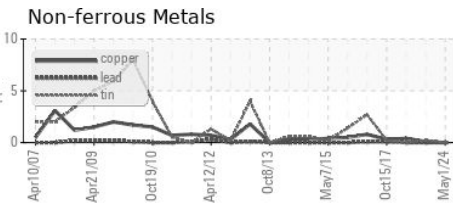
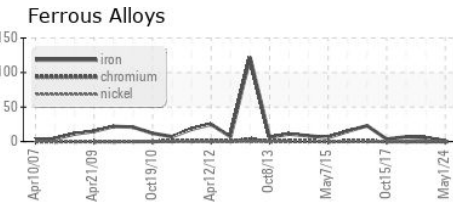
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	AMMON
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	63.8	▲ 56.7	66.3
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	▲ 6.4	8.4
Viscosity Index (VI)	Scale	ASTM D2270*		▲ 36	95

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080969 **Received** : 13 Jun 2024
Lab Number : 02641748 **Tested** : 14 Jun 2024
Unique Number : 5799287 **Diagnosed** : 17 Jun 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

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 T: (519)655-2337
 F: (519)655-3449

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.