

Area
DRYER DEPT
Machine Id
WHEY COMPRESSOR 2 (S/N 03142)
Component
Reciprocating Compressor
Fluid
TRIBOSPEC FRIGOSPEC ISO 68 (20 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0080977	PC0061757	PC412172
Sample Date		Client Info		01 May 2024	18 Oct 2022	14 Apr 2019
Machine Age	hrs	Client Info		175303	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	10
Iron	ppm	ASTM D5185(m)	>50	<1	2	8
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)		0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	1
Lead	ppm	ASTM D5185(m)	>25	0	0	<1
Copper	ppm	ASTM D5185(m)	>50	0	0	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

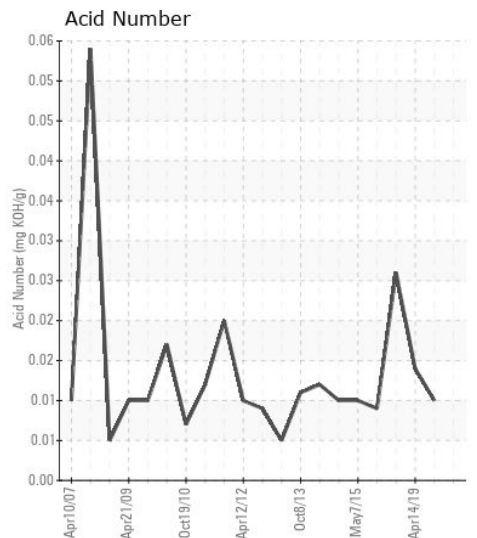
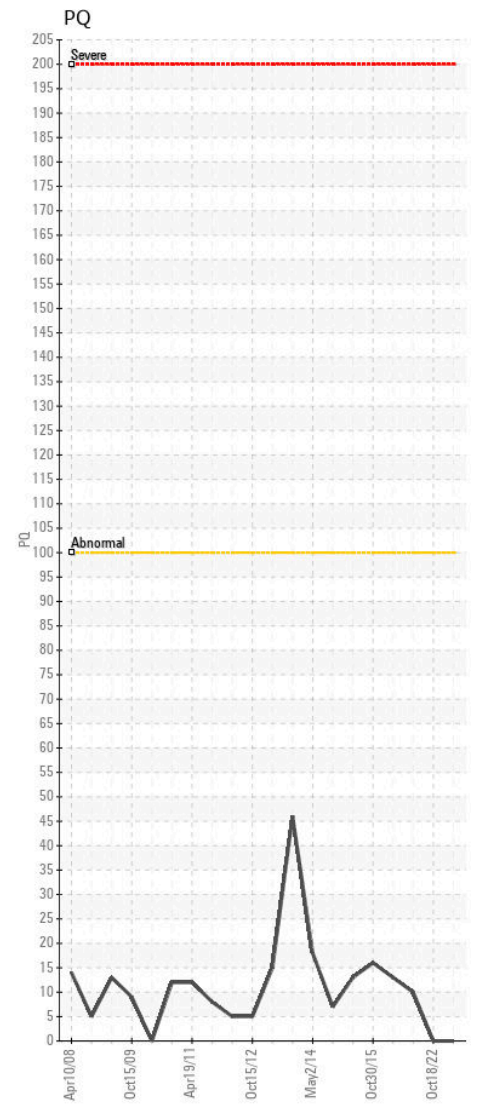
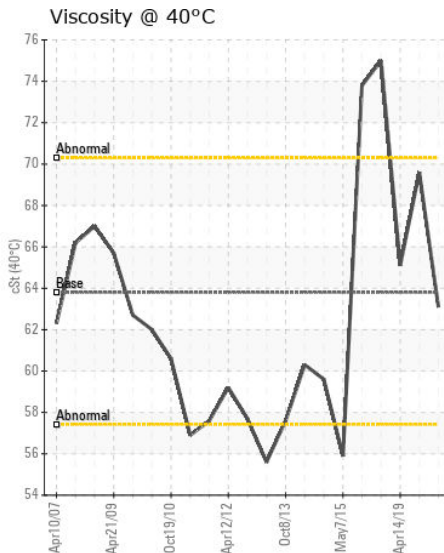
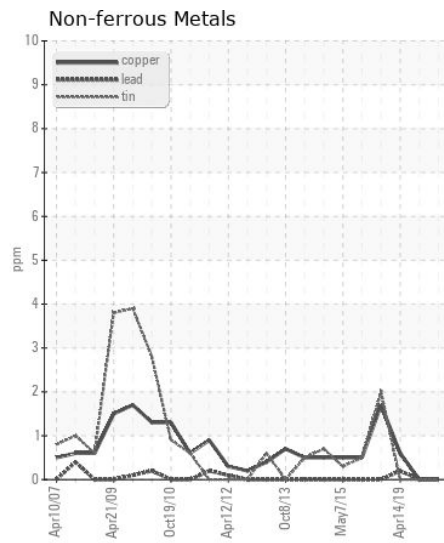
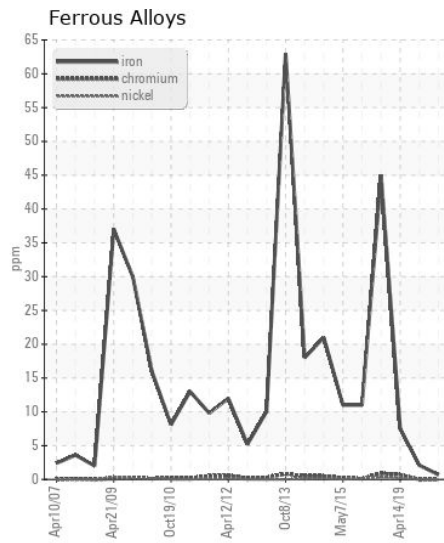
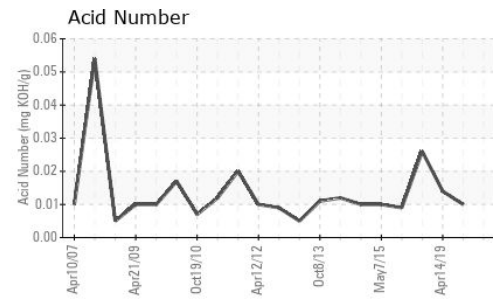
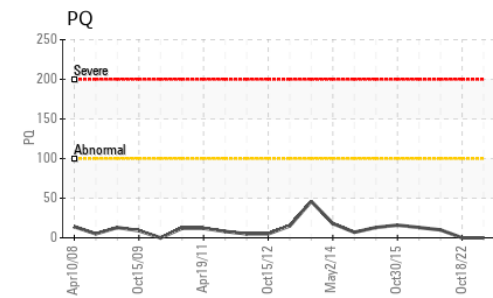
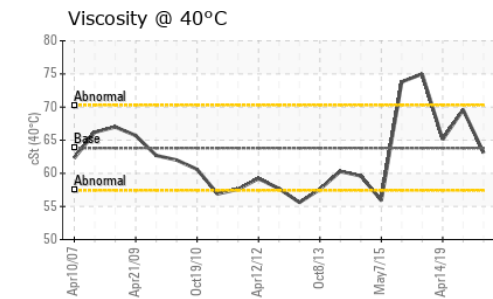
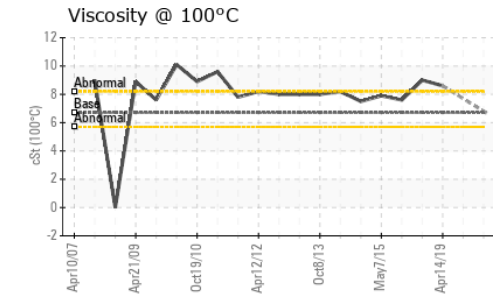
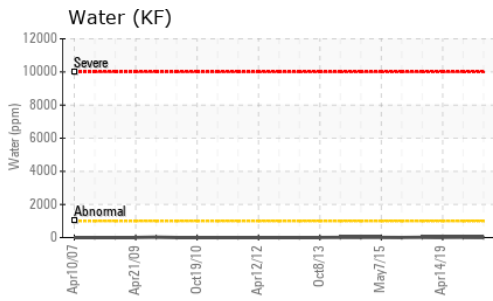
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	0	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
Water	%	ASTM D6304*	>0.1	0.001	0.001	0.000
ppm Water	ppm	ASTM D6304*	>1000	7	11.0	2.4
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	AMMON	AMMON
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	0	<1
Boron	ppm	ASTM D5185(m)		<1	<1	0
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		0	0	<1
Calcium	ppm	ASTM D5185(m)		0	0	<1
Phosphorus	ppm	ASTM D5185(m)		0	0	<1
Zinc	ppm	ASTM D5185(m)		<1	<1	<1
Sulfur	ppm	ASTM D5185(m)		8	26	60
Acid Number (AN)	mg KOH/g	ASTM D974*		---	0.01	0.014
Visc @ 40°C	cSt	ASTM D7279(m)	63.8	63.1	69.6	65.1
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	6.8	---	8.6
Viscosity Index (VI)	Scale	ASTM D2270*		38	---	103



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080977
Lab Number : 02641751
Unique Number : 5799290
Test Package : IND 2 (Additional Tests: KF, KV100, VI)

Received : 13 Jun 2024
Tested : 14 Jun 2024
Diagnosed : 14 Jun 2024 - Kevin Marson

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.

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