



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
WHEY PLANT RECIP NH3 COMPRESSOR #6 (S/N 06380)

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		PC0080978	PC385732	PC381857
Sample Date		Client Info		01 May 2024	15 Oct 2017	09 Mar 2016
Machine Age	hrs	Client Info		2993	0	1523
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Chngd
Filter Changed		Client Info		N/A	N/A	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>50	22	5	12
Chromium	ppm	ASTM D5185(m)	>10	1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	0	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	11	<1	5
Lead	ppm	ASTM D5185(m)	>25	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>50	12	4	12
Tin	ppm	ASTM D5185(m)	>15	4	<1	3
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

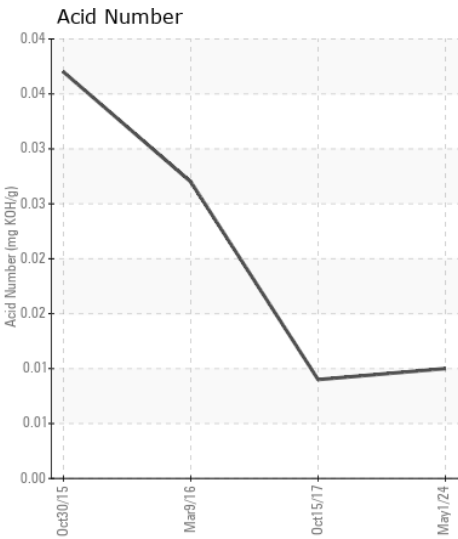
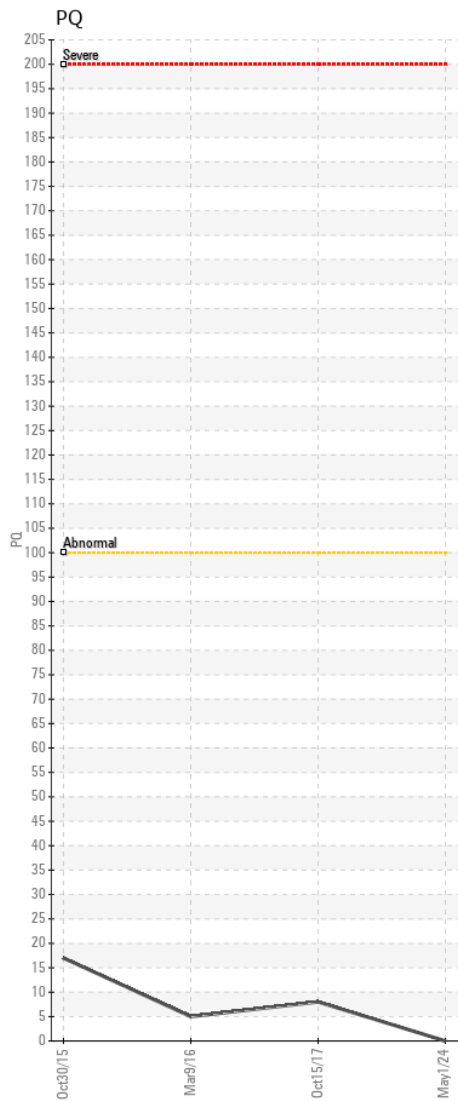
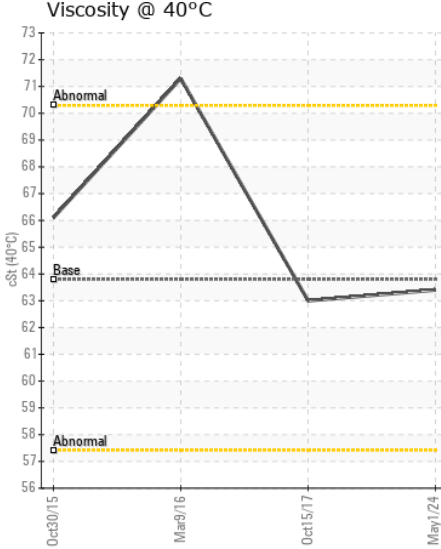
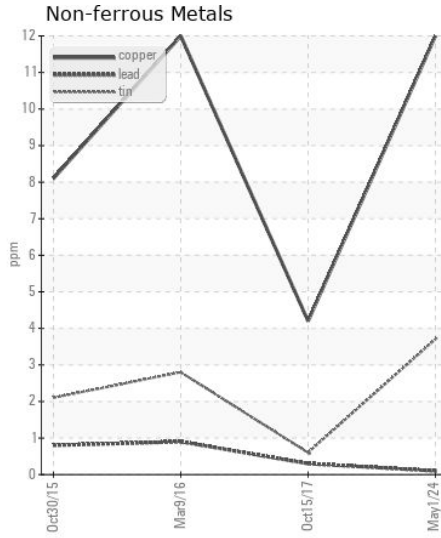
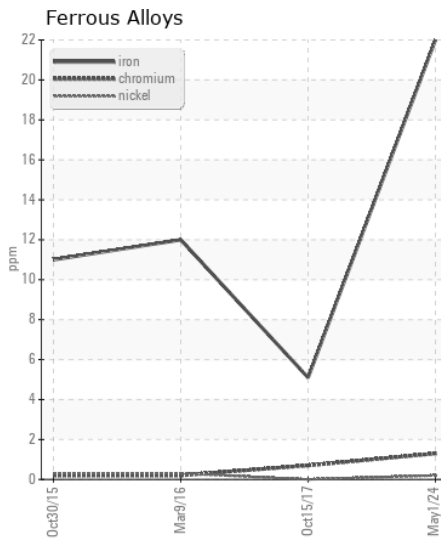
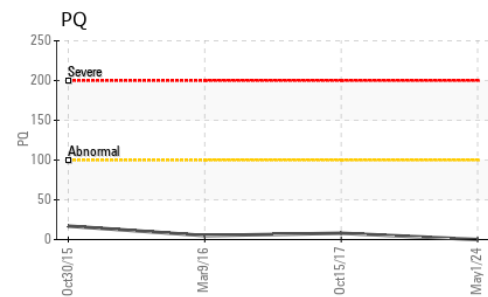
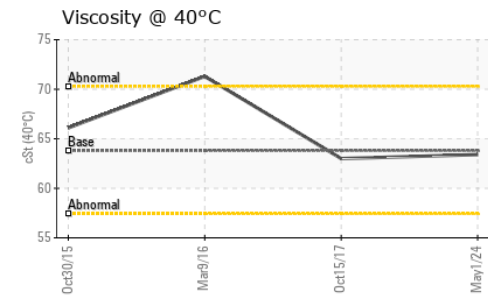
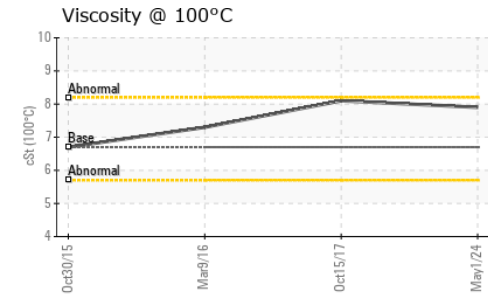
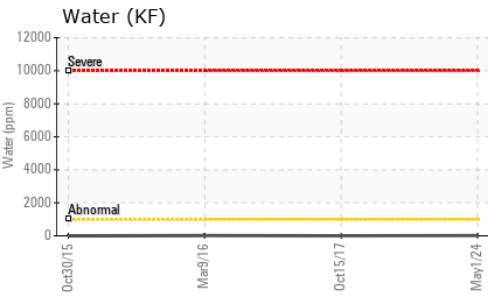
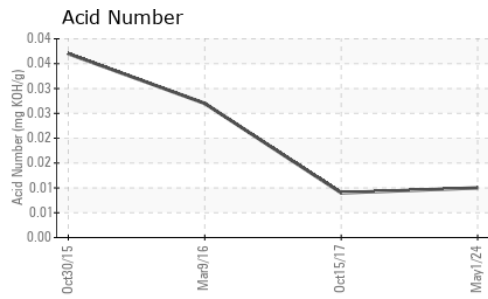
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
Water	%	ASTM D6304*	>0.1	0.001	0.00	0.001
ppm Water	ppm	ASTM D6304*	>1000	13	0.00	15.5
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		1	<1	<1
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		<1	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		<1	0	0
Calcium	ppm	ASTM D5185(m)		<1	0	0
Phosphorus	ppm	ASTM D5185(m)		1	0	<1
Zinc	ppm	ASTM D5185(m)		7	<1	7
Sulfur	ppm	ASTM D5185(m)		72	802	194
Acid Number (AN)	mg KOH/g	ASTM D974*		0.01	0.009	0.027
Visc @ 40°C	cSt	ASTM D7279(m)	63.8	63.4	63.0	71.3
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.9	8.1	7.3
Viscosity Index (VI)	Scale	ASTM D2270*		87	94	40



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080978 **Received** : 13 Jun 2024
Lab Number : 02641745 **Tested** : 14 Jun 2024
Unique Number : 5799284 **Diagnosed** : 14 Jun 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

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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