



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[4501246281]
 Machine Id
FES FES #5 (S/N MK3E054)
 Component
Screw Compressor
 Fluid
REFRIG COMP OIL ISO 68 (50 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) REFRIG COMP OIL ISO 68. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924790	---	---
Sample Date		Client Info		10 May 2024	---	---
Machine Age	hrs	Client Info		388	---	---
Oil Age	hrs	Client Info		388	---	---
Filter Age	hrs	Client Info		100	---	---
Oil Changed		Client Info		Filtered	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>60	1	---	---
Chromium	ppm	ASTM D5185(m)	>4	0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	0	---	---
Lead	ppm	ASTM D5185(m)	>10	0	---	---
Copper	ppm	ASTM D5185(m)	>30	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

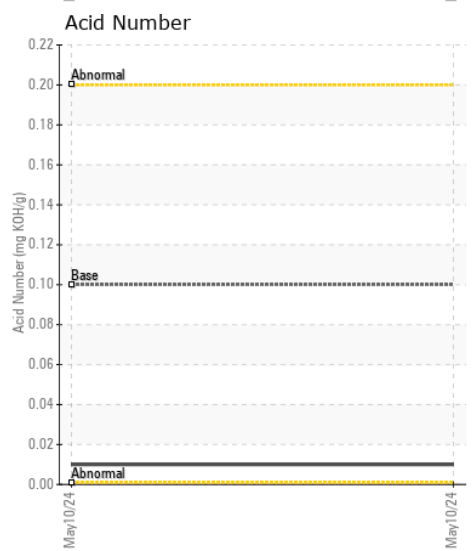
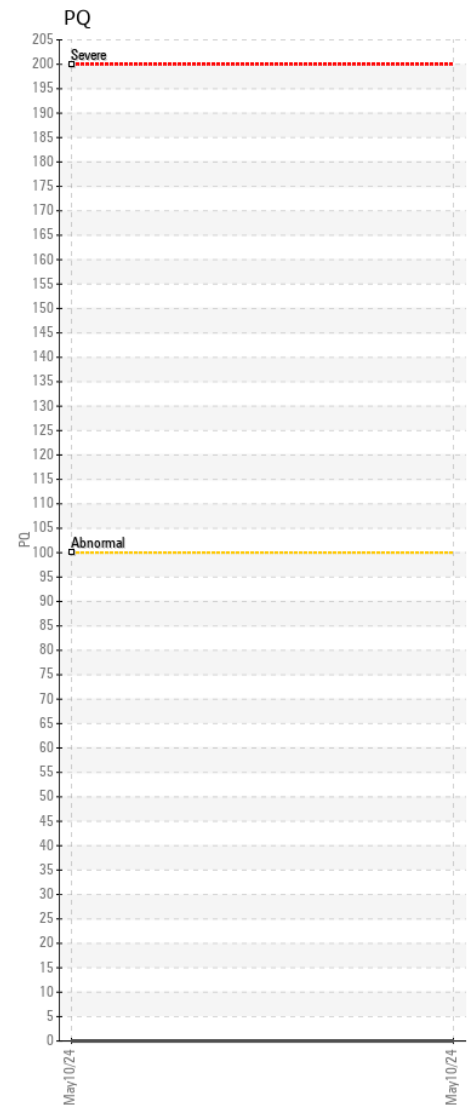
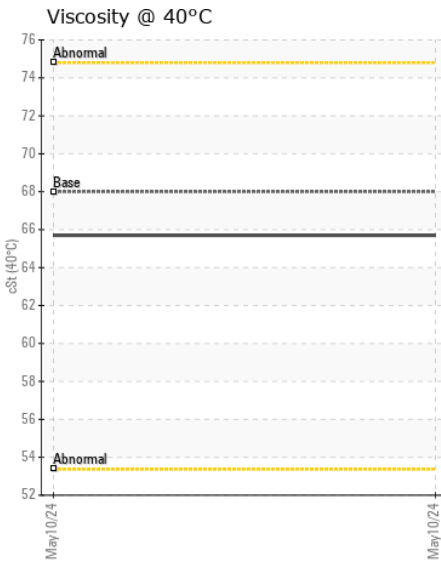
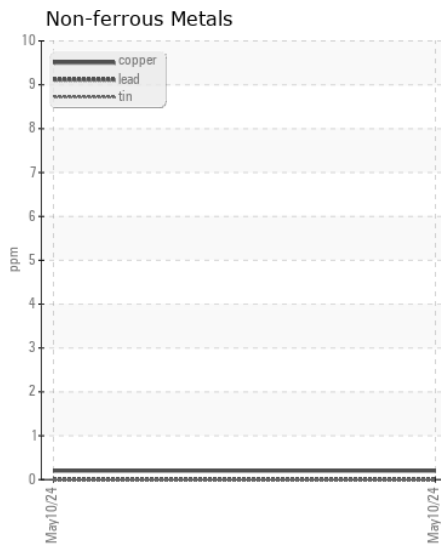
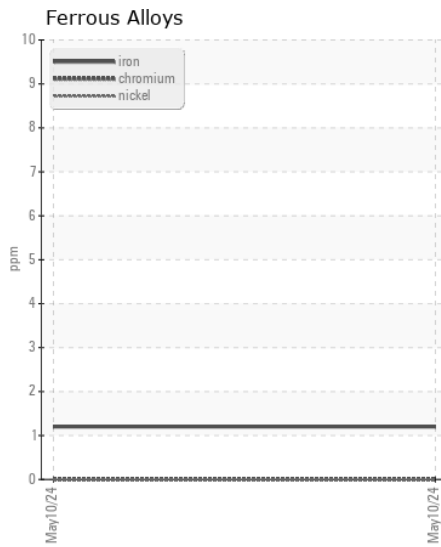
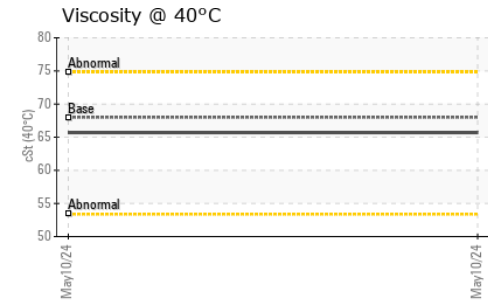
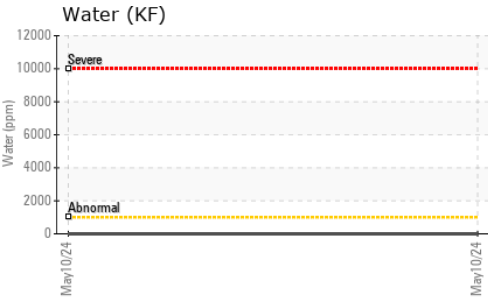
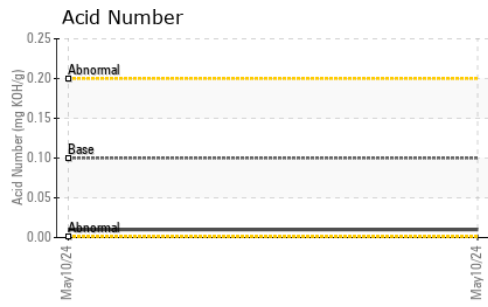
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*	>0.1	0.00	---	---
ppm Water	ppm	ASTM D6304*	>1000	0	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	HAZY	---	---
Odor	scalar	Visual*	NORML	AMMON	---	---
Emulsified Water	scalar	Visual*	>0.1	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)		0	---	---
Boron	ppm	ASTM D5185(m)	5	0	---	---
Barium	ppm	ASTM D5185(m)	5	0	---	---
Molybdenum	ppm	ASTM D5185(m)	5	0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	5	<1	---	---
Calcium	ppm	ASTM D5185(m)	12	<1	---	---
Phosphorus	ppm	ASTM D5185(m)	12	<1	---	---
Zinc	ppm	ASTM D5185(m)	12	<1	---	---
Sulfur	ppm	ASTM D5185(m)	1000	9	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.01	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	68	65.7	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0924790 **Received** : 13 May 2024
Lab Number : 02634946 **Tested** : 14 May 2024
Unique Number : 5776099 **Diagnosed** : 15 May 2024 - Bill Quesnel
Test Package : IND 2 (Additional Tests: KF, 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.

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