



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
SULZER P-2202A
Component
Pump
Fluid
{not provided} (1 GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO60002327	---	---
Sample Date		Client Info		16 Feb 2024	---	---
Machine Age	mths	Client Info		3	---	---
Oil Age	mths	Client Info		0	---	---
Filter Age	mths	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

The iron level is abnormal.

PQ		ASTM D8184		81	---	---
Iron	ppm	ASTM D5185m	>75	▲ 204	---	---
Chromium	ppm	ASTM D5185m	>5	5	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>5	<1	---	---
Lead	ppm	ASTM D5185m	>10	1	---	---
Copper	ppm	ASTM D5185m	>15	4	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

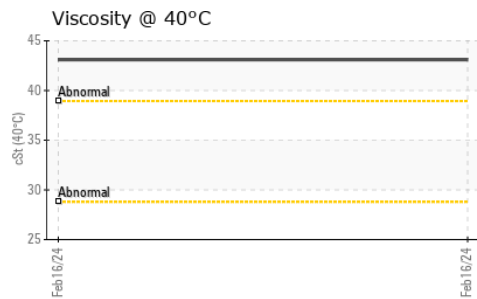
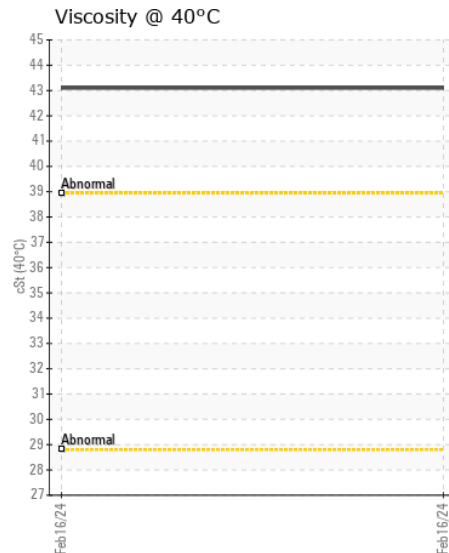
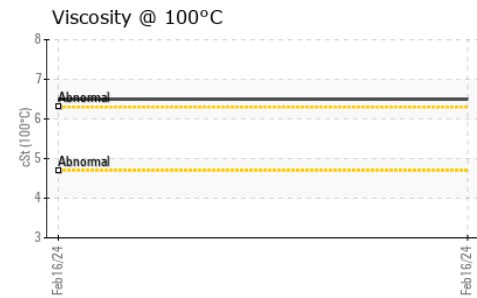
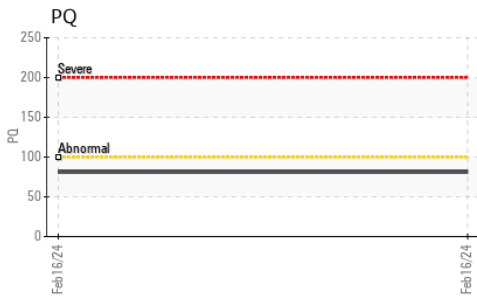
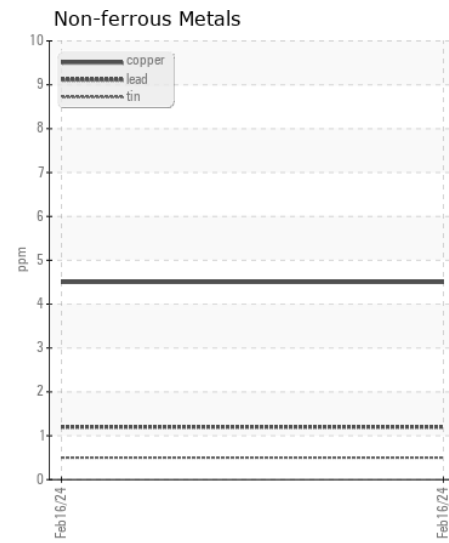
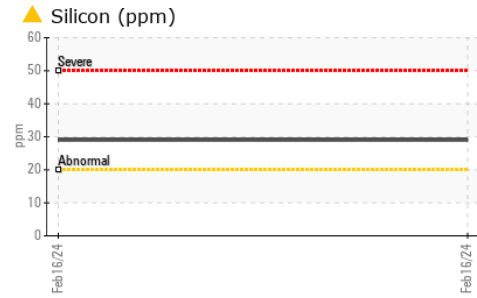
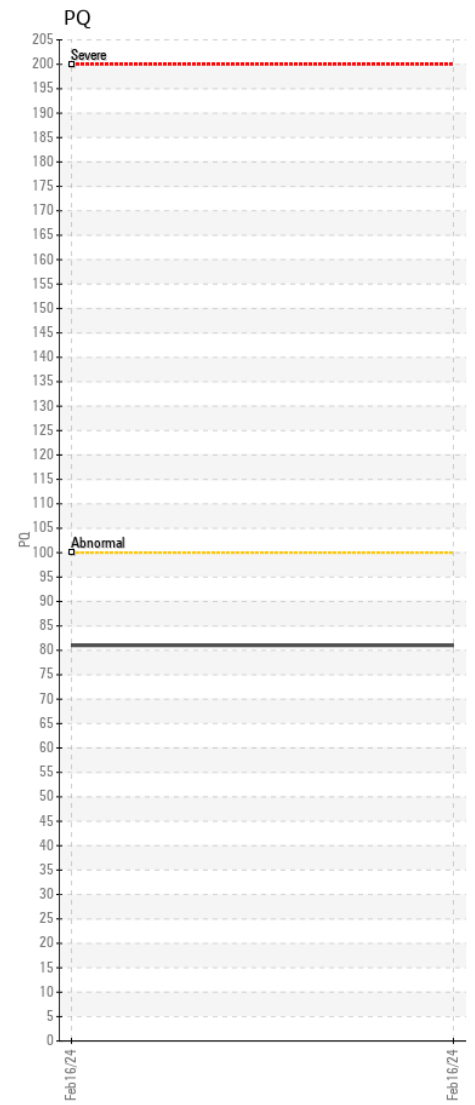
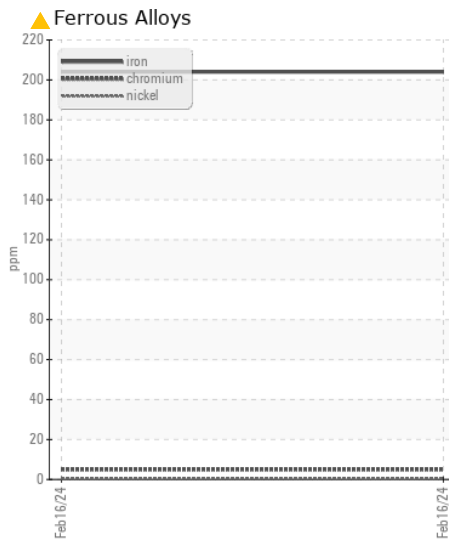
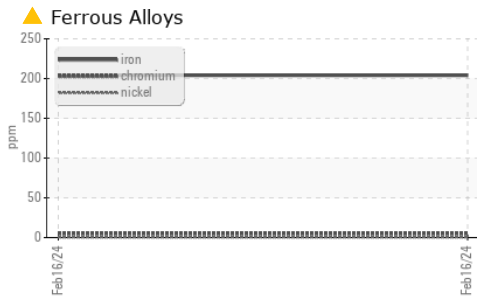
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>20	▲ 29	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		5	---	---
Molybdenum	ppm	ASTM D5185m		4	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		19	---	---
Phosphorus	ppm	ASTM D5185m		105	---	---
Zinc	ppm	ASTM D5185m		165	---	---
Sulfur	ppm	ASTM D5185m		1772	---	---
Visc @ 40°C	cSt	ASTM D445		43.1	---	---
Visc @ 100°C	cSt	ASTM D445		6.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270		100	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : TO60002327

Lab Number : 06097999

Unique Number : 10896229

Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

Received : 22 Feb 2024

Tested : 26 Feb 2024

Diagnosed : 26 Feb 2024 - Jonathan Hester

JG INDUSTRIAL CONTRACTORS INC

601 N SOUTH ST

PASADENA, TX

US 77503-2568

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: