



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id  
**VACPUMP-026 (S/N UN057368)**  
 Component  
**Vacuum Pump**  
 Fluid  
**SAE 10W (--- QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

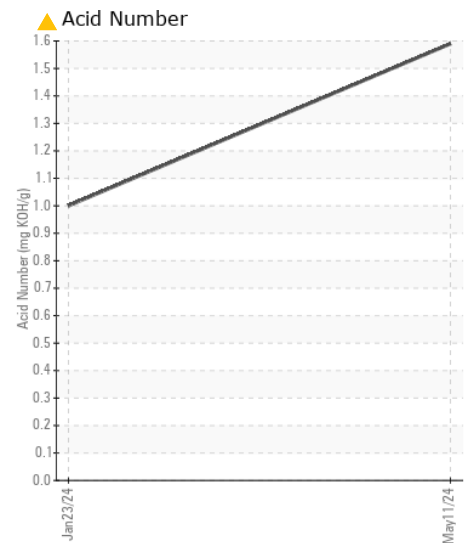
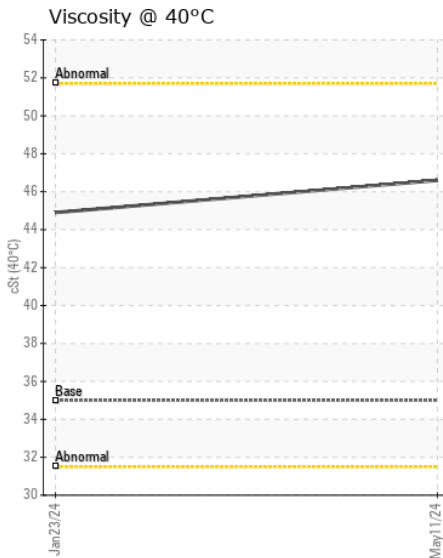
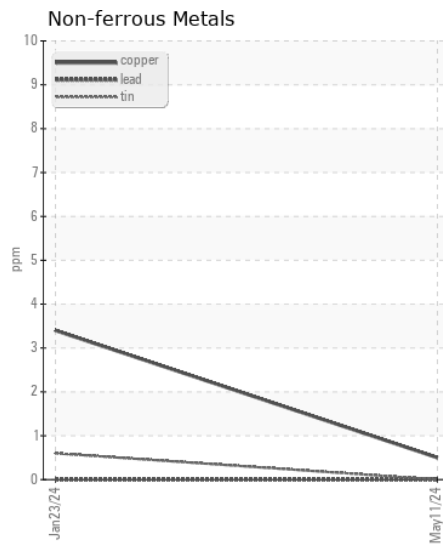
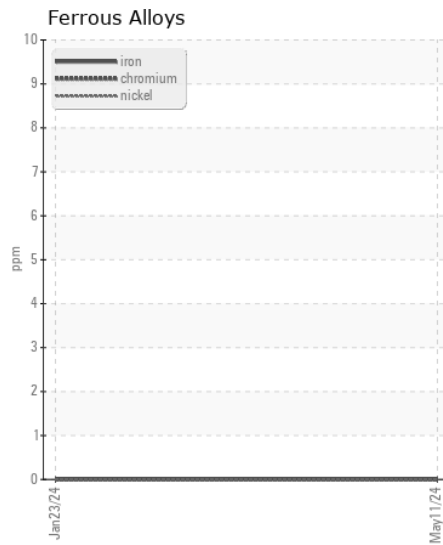
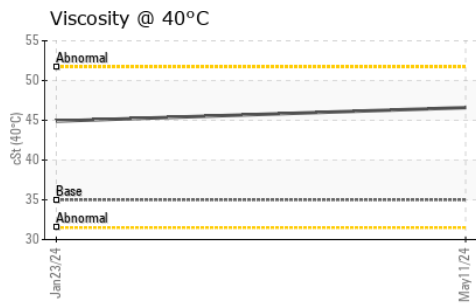
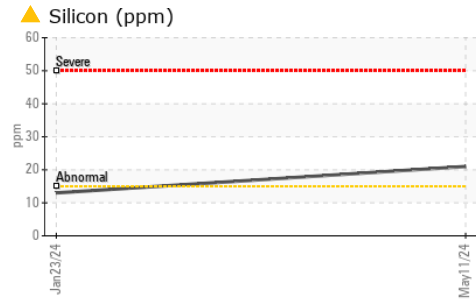
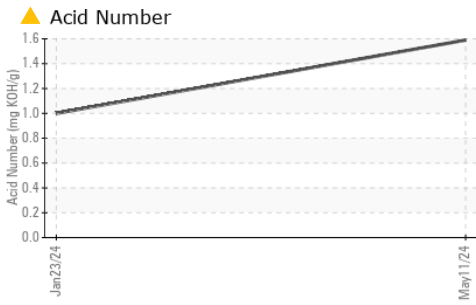
## CONTAMINATION

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

## FLUID CONDITION

The AN level is at the top-end of the recommended limit. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0898948	WC0877107	---
Sample Date		Client Info		11 May 2024	23 Jan 2024	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		0	3	---
Filter Age	mths	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>20	0	0	---
Chromium	ppm	ASTM D5185m	>20	0	0	---
Nickel	ppm	ASTM D5185m	>20	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	1	2	---
Lead	ppm	ASTM D5185m	>20	0	0	---
Copper	ppm	ASTM D5185m	>20	<1	3	---
Tin	ppm	ASTM D5185m	>20	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>15	▲ 21	13	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		5	5	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		<1	<1	---
Calcium	ppm	ASTM D5185m		0	3	---
Phosphorus	ppm	ASTM D5185m		27	18	---
Zinc	ppm	ASTM D5185m		8	1	---
Sulfur	ppm	ASTM D5185m		136	135	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.59	1.00	---
Visc @ 40°C	cSt	ASTM D445	35.0	46.6	44.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0898948  
**Lab Number** : 06175666  
**Unique Number** : 11021719  
**Test Package** : IND 2  
**Received** : 10 May 2024  
**Tested** : 14 May 2024  
**Diagnosed** : 14 May 2024 - Don Baldrige

**PRINSCO - JESUP**  
 850 HAWKEYE RD  
 JESUP, IA  
 US 50648

Contact: Spencer Reedy  
 spencer.reedy@prinsco.com

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: