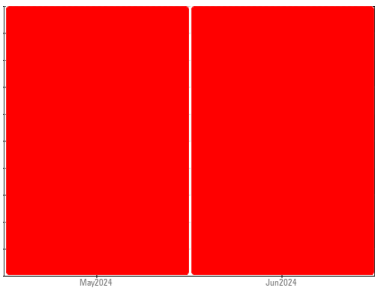
PROBLEM SUMMARY

Sample Rating Trend

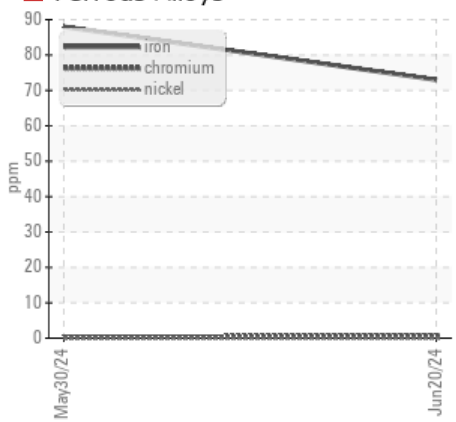


WEAR

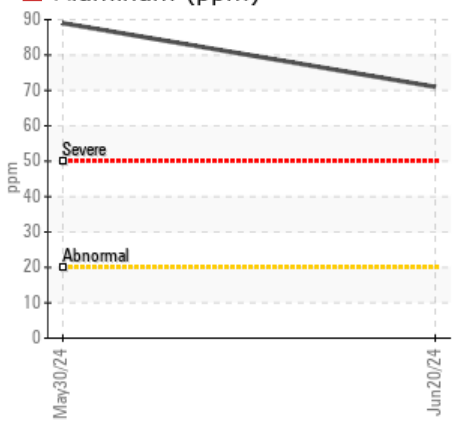
Machine Id
NASH BLOWER C (S/N BS1700405003)
Component
Vacuum Pump
Fluid
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY

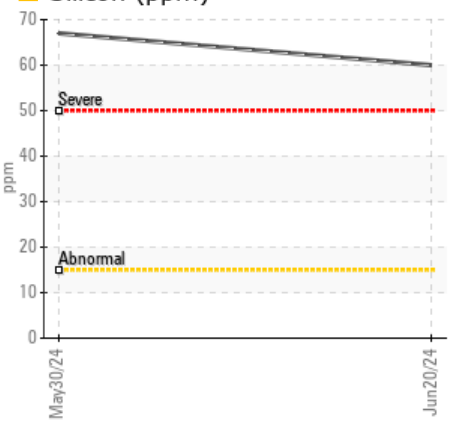
▲ Ferrous Alloys



▲ Aluminum (ppm)



▲ Silicon (ppm)



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	SEVERE	---
Iron	ppm	ASTM D5185m	>20	▲ **73**	▲ 88	---
Aluminum	ppm	ASTM D5185m	>20	▲ **71**	▲ 89	---
Silicon	ppm	ASTM D5185m	>15	▲ **60**	▲ 67	---

Customer Id: NEXDAL
Sample No.: TO10003294
Lab Number: 06217030
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

WEAR

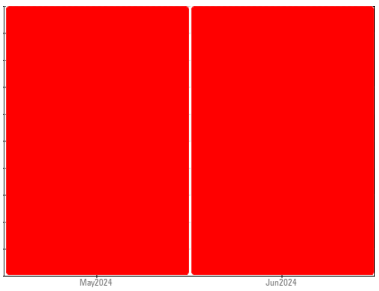
30 May 2024 Diag: Doug Bogart

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for laboratory data updates.Aluminum and iron ppm levels are severe. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
NASH BLOWER C (S/N BS1700405003)
Component
Vacuum Pump
Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation
We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

▲ Wear
Aluminum and iron ppm levels are severe.

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

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO10003294**	TO10003184	---
Sample Date		Client Info		**20 Jun 2024**	30 May 2024	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**SEVERE**	SEVERE	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.1	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**30**	24	---
Iron	ppm	ASTM D5185m	>20	▲ **73**	▲ 88	---
Chromium	ppm	ASTM D5185m	>20	**<1**	<1	---
Nickel	ppm	ASTM D5185m	>20	**0**	0	---
Titanium	ppm	ASTM D5185m		**<1**	<1	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>20	▲ **71**	▲ 89	---
Lead	ppm	ASTM D5185m	>20	**0**	0	---
Copper	ppm	ASTM D5185m	>20	**<1**	<1	---
Tin	ppm	ASTM D5185m	>20	**0**	<1	---
Vanadium	ppm	ASTM D5185m		**<1**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

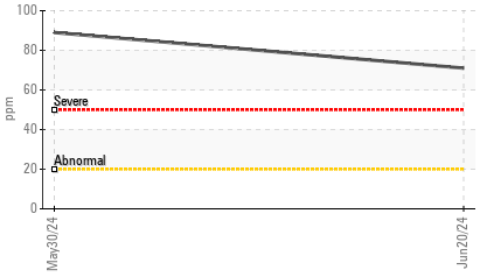
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**<1**	3	---
Manganese	ppm	ASTM D5185m		**<1**	1	---
Magnesium	ppm	ASTM D5185m		**<1**	2	---
Calcium	ppm	ASTM D5185m		**7**	7	---
Phosphorus	ppm	ASTM D5185m		**345**	359	---
Zinc	ppm	ASTM D5185m		**<1**	0	---
Sulfur	ppm	ASTM D5185m		**176**	270	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	▲ **60**	▲ 67	---
Sodium	ppm	ASTM D5185m		**15**	13	---
Potassium	ppm	ASTM D5185m	>20	**15**	16	---

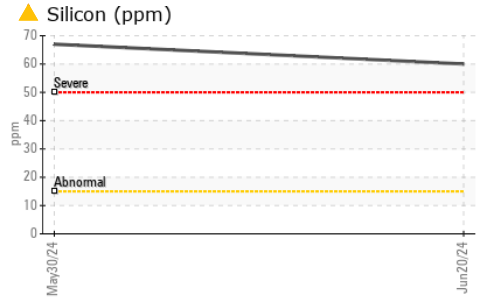
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.71**	0.408	---

OIL ANALYSIS REPORT

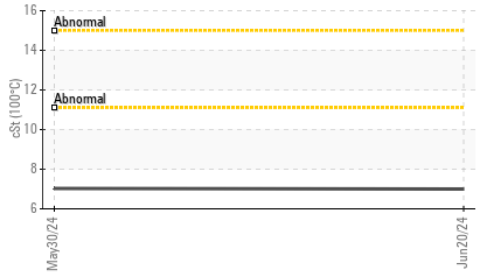
Aluminum (ppm)



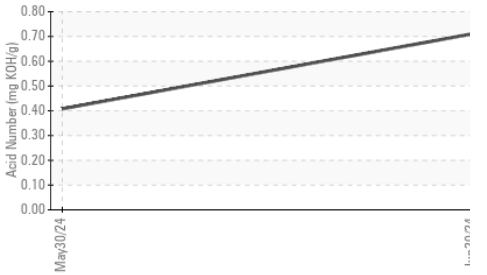
Silicon (ppm)



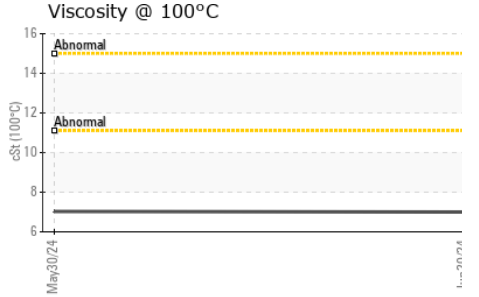
Viscosity @ 100°C



Acid Number



Viscosity @ 100°C



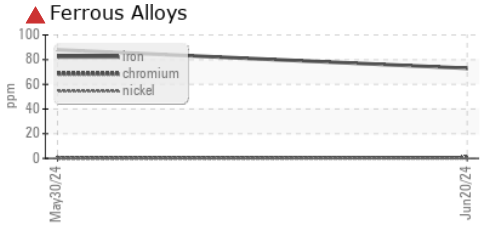
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>.1	**NEG**	0.2%	---
Free Water	scalar	*Visual		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**34.1**	34.8	---
Visc @ 100°C	cSt	ASTM D445		**7.0**	7.03	---
Viscosity Index (VI)	Scale	ASTM D2270		**172**	169	---

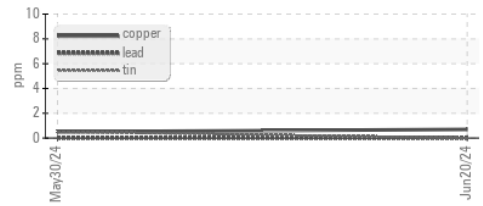
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

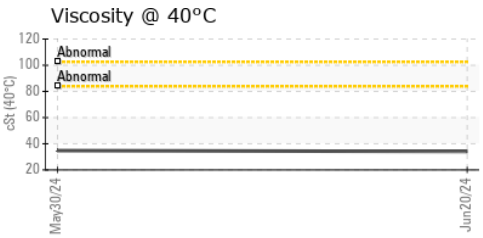
Ferrous Alloys



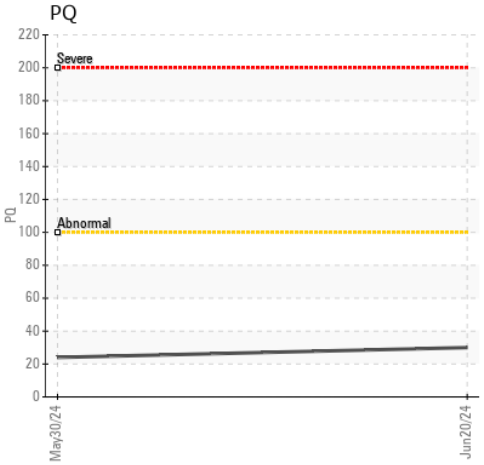
Non-ferrous Metals



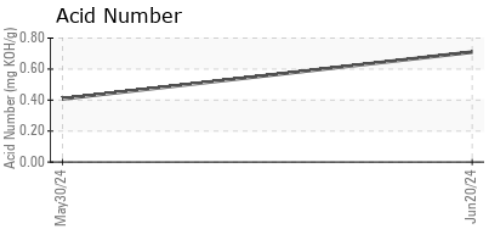
Viscosity @ 40°C



PQ



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003294
Lab Number : 06217030
Unique Number : 11089894
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

Received : 21 Jun 2024
Tested : 24 Jun 2024
Diagnosed : 26 Jun 2024 - Doug Bogart

NEXT ERA - MCCOMMAS BLUFF

DALLAS, TX
US
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: