

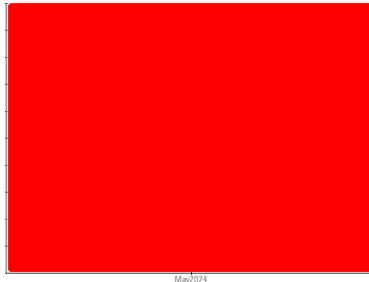
PROBLEM SUMMARY

Sample Rating Trend

WEAR

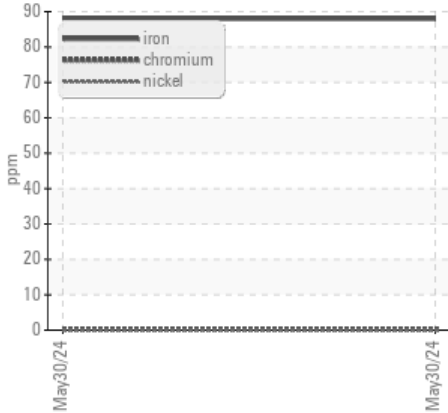


Machine Id
NASH BLOWER C (S/N BS1700405003)
 Component
Vacuum Pump
 Fluid
MOBIL SHC 624 (--- GAL)

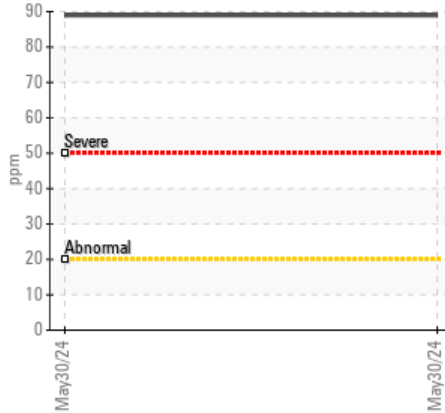


COMPONENT CONDITION SUMMARY

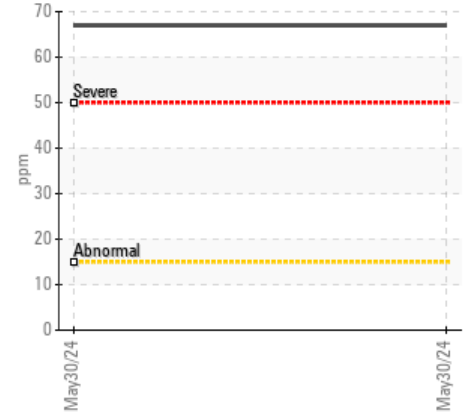
▲ Ferrous Alloys



▲ Aluminum (ppm)



▲ Silicon (ppm)



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

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

Customer Id: NEXDAL
 Sample No.: TO10003184
 Lab Number: 06197047
 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

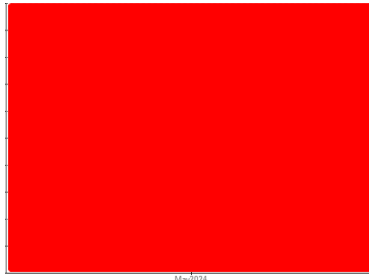
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
NASH BLOWER C (S/N BS1700405003)
 Component
Vacuum Pump
 Fluid
MOBIL SHC 624 (--- GAL)

DIAGNOSIS

- ▲ Recommendation**
 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.
- ▲ 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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

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

WEAR METALS

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

ADDITIVES

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

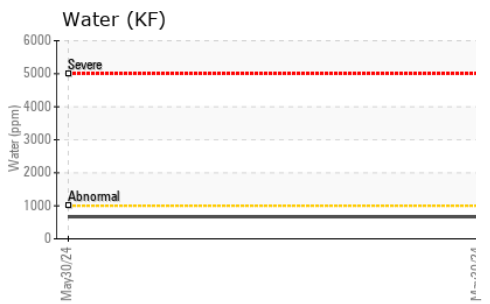
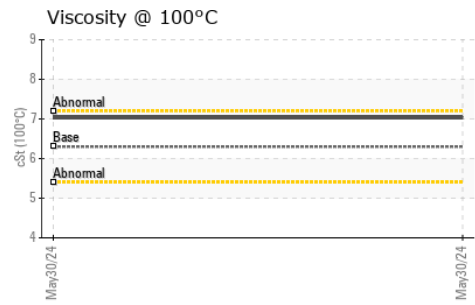
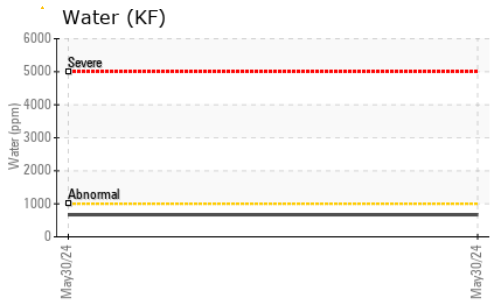
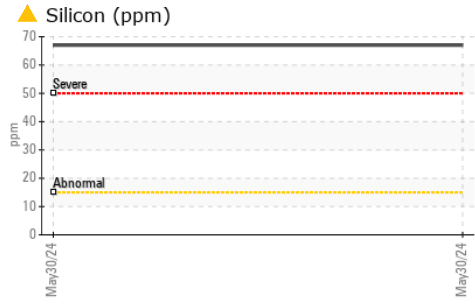
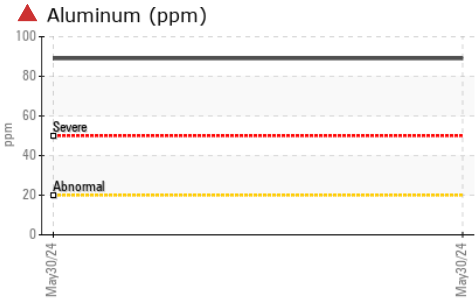
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	▲ 67	---	---
Sodium	ppm	ASTM D5185m	13	---	---
Potassium	ppm	ASTM D5185m >20	16	---	---
Water	%	ASTM D6304 >.1	0.067	---	---
ppm Water	ppm	ASTM D6304 >1000	670	---	---

FLUID DEGRADATION

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

OIL ANALYSIS REPORT

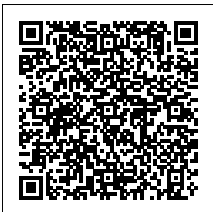
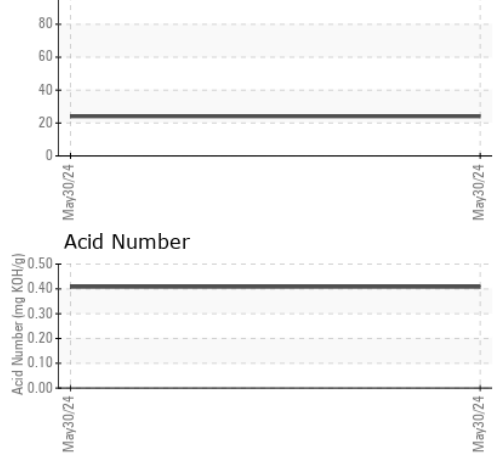
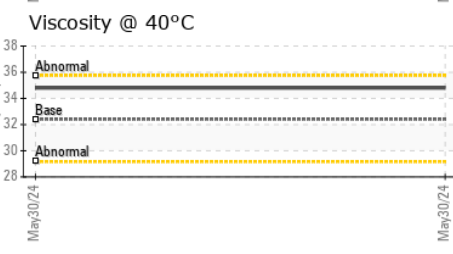
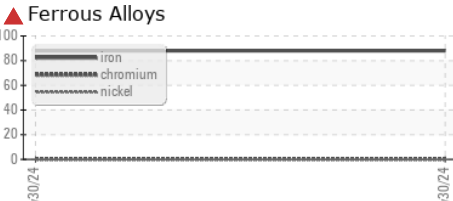


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.4	34.8	---
Visc @ 100°C	cSt	ASTM D445	6.3	7.03	---
Viscosity Index (VI)	Scale	ASTM D2270	159	169	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003184 **Received** : 31 May 2024
Lab Number : 06197047 **Tested** : 05 Jun 2024
Unique Number : 11059170 **Diagnosed** : 05 Jun 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

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)