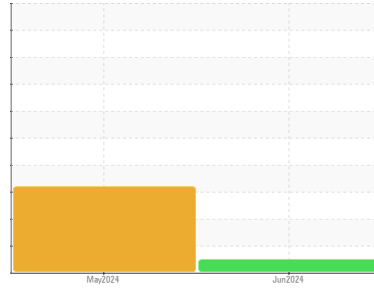


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
NASH BLOWER A (S/N BS1700405002)
 Component
Vacuum Pump
 Fluid
MOBIL SHC 624 (--- GAL)

DIAGNOSIS

- Recommendation**
Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the oil.
- 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	TO10003295	TO10003185	---
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		NORMAL	ABNORMAL	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>.1	NEG	NEG	---
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WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184		19	18	---
Iron	ppm ASTM D5185m	>20	14	▲ 31	---
Chromium	ppm ASTM D5185m	>20	0	<1	---
Nickel	ppm ASTM D5185m	>20	0	0	---
Titanium	ppm ASTM D5185m		0	0	---
Silver	ppm ASTM D5185m		0	0	---
Aluminum	ppm ASTM D5185m	>20	2	▲ 22	---
Lead	ppm ASTM D5185m	>20	0	0	---
Copper	ppm ASTM D5185m	>20	<1	0	---
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		2	0	---
Barium	ppm ASTM D5185m		0	0	---
Molybdenum	ppm ASTM D5185m		3	3	---
Manganese	ppm ASTM D5185m		<1	<1	---
Magnesium	ppm ASTM D5185m		0	<1	---
Calcium	ppm ASTM D5185m		4	3	---
Phosphorus	ppm ASTM D5185m		414	320	---
Zinc	ppm ASTM D5185m		2	0	---
Sulfur	ppm ASTM D5185m		93	165	---

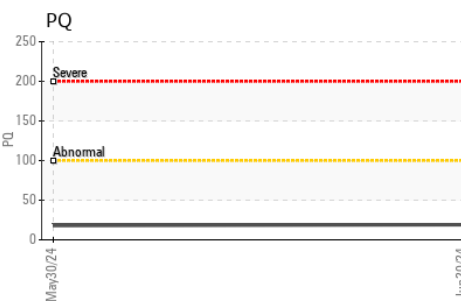
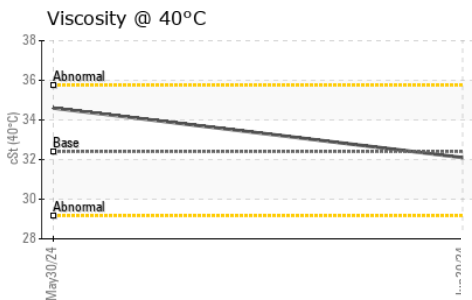
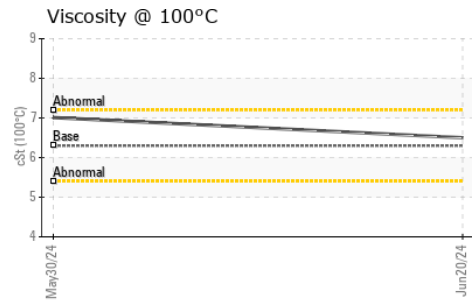
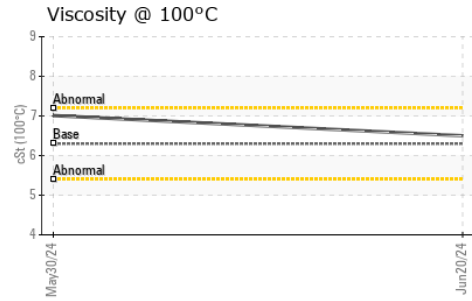
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185m	>15	11	▲ 24	---
Sodium	ppm ASTM D5185m		141	5	---
Potassium	ppm ASTM D5185m	>20	70	<1	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D8045		0.58	0.330	---
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OIL ANALYSIS REPORT

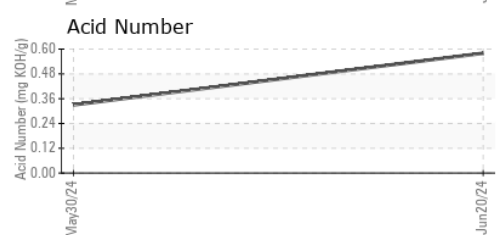
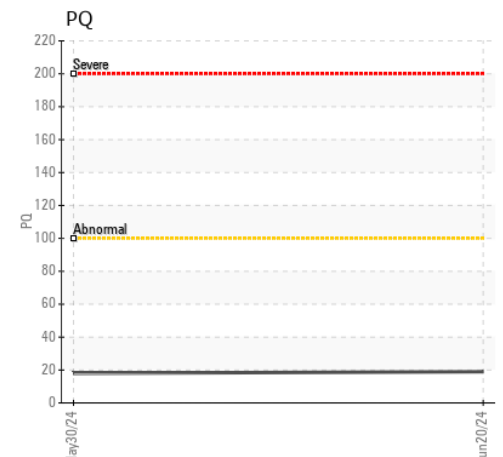
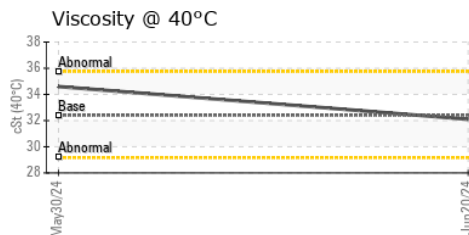
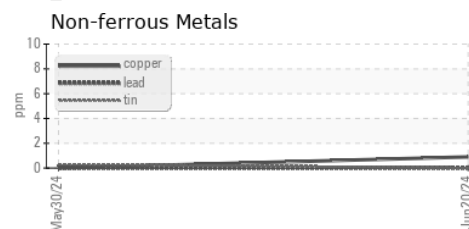
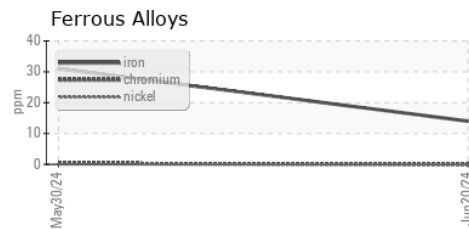


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.4	32.1	34.6
Visc @ 100°C	cSt	ASTM D445	6.3	6.5	7.01
Viscosity Index (VI)	Scale	ASTM D2270	159	161	169

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003295 **Received** : 21 Jun 2024
Lab Number : **06217029** **Tested** : 26 Jun 2024
Unique Number : 11089893 **Diagnosed** : 26 Jun 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: 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)

T:
F: