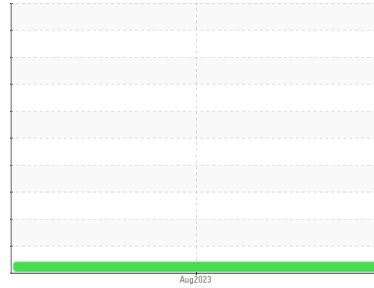




PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



Machine Id
1121A - LINE 21

Component
Gearbox

Fluid
MOBIL MOBILGEAR 600 XP 220 (5 GAL)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	220	▲ 110	---	---

Customer Id: MANMANOH
Sample No.: WC0834160
Lab Number: 05922347
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

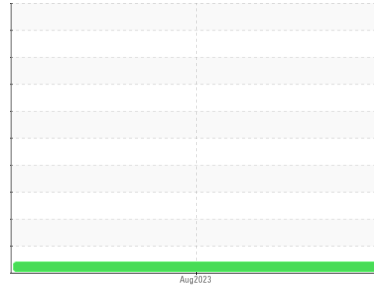
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
1121A - LINE 21

Component

Gearbox

Fluid

MOBIL MOBILGEAR 600 XP 220 (5 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

Viscosity of sample indicates oil is within ISO 100 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0834160	---	---
Sample Date	Client Info	01 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Not Changed	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	6	---	---
Chromium ppm ASTM D5185m	>15	0	---	---
Nickel ppm ASTM D5185m	>15	<1	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		<1	---	---
Aluminum ppm ASTM D5185m	>25	1	---	---
Lead ppm ASTM D5185m	>100	1	---	---
Copper ppm ASTM D5185m	>200	36	---	---
Tin ppm ASTM D5185m	>25	<1	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		12	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		<1	---	---
Calcium ppm ASTM D5185m		35	---	---
Phosphorus ppm ASTM D5185m		556	---	---
Zinc ppm ASTM D5185m		260	---	---
Sulfur ppm ASTM D5185m		17844	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	7	---	---
Sodium ppm ASTM D5185m		3	---	---
Potassium ppm ASTM D5185m	>20	1	---	---

FLUID DEGRADATION

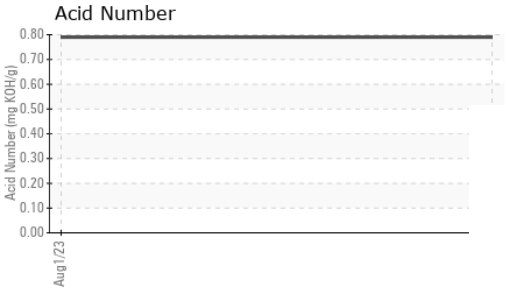
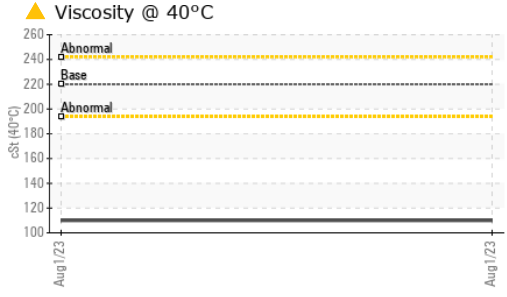
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		0.79	---	---

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	>0.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---



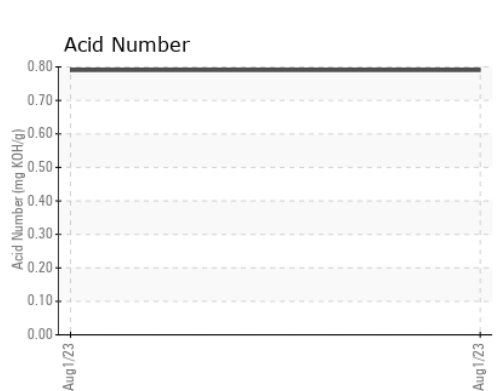
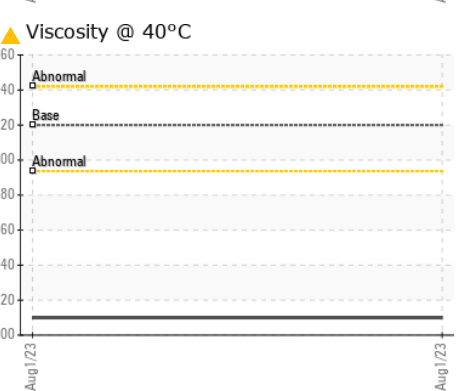
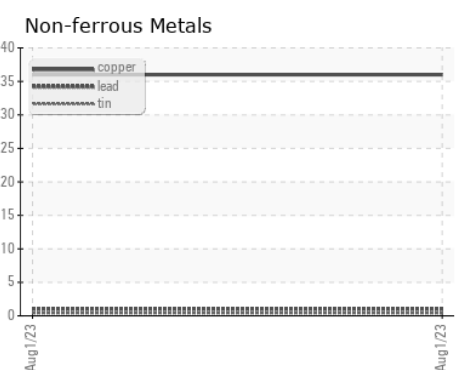
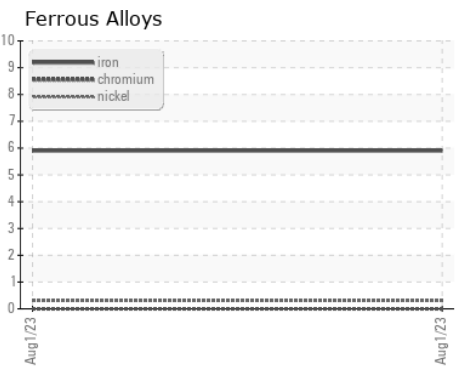
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	▲ 110	---	---

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. : WC0834160 **Received** : 11 Aug 2023
Lab Number : 05922347 **Diagnosed** : 14 Aug 2023
Unique Number : 10602294 **Diagnostician** : Don Baldrige
Test Package : IND 2

MANTALINE CORP-MANTUA
 4754 EAST HIGH STREET
 MANTUA, OH
 US 44255
 Contact: BILL STEWART
 bstewart@mantaline.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: x:
F: x: