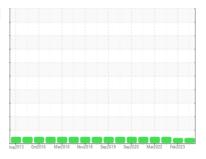


# **OIL ANALYSIS REPORT**

### Sample Rating Trend





Machine Id

HY/1WM
Component
Gearbox

## MOBIL MOBILGEAR SHC XMP 320 (--- 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. The amount and size of particulates present in the system are acceptable.

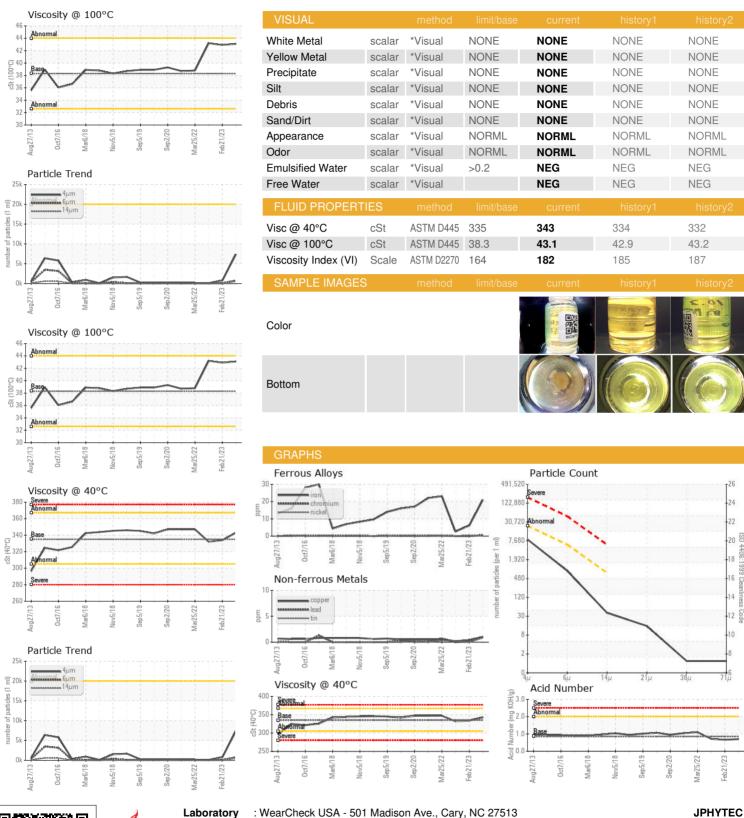
### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

L)		lug2013 Oct2	016 Mar2018 Nov2018	Sep2019 Sep2020 Mar2022	Feb 2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0807338	WC0695080	WC0695277
Sample Date		Client Info		11 Mar 2024	21 Feb 2023	21 Oct 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		12360	3144	192
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	21	6	3
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>100	1	<1	0
Copper	ppm	ASTM D5185m	>200	1	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	2
Calcium	ppm	ASTM D5185m	0	<1	23	0
Phosphorus	ppm	ASTM D5185m	485	297	328	413
Zinc	ppm	ASTM D5185m	0	11	18	13
Sulfur	ppm	ASTM D5185m		<b>182</b>	369	3813
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	13	12	9
Sodium	ppm	ASTM D5185m	>15	0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.2	NEG	NEG	NEG
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	7392	752	120
Particles >6µm		ASTM D7647	>5000	740	66	17
Particles >14µm		ASTM D7647	>640	34	8	2
Particles >21µm		ASTM D7647	>160	13	3	1
Particles >38µm		ASTM D7647	>40	1	0	1
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/17/12	17/13/10	14/11/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.70	0.66	0.71



## **OIL ANALYSIS REPORT**





ANABACCE DITED

Laboratory : Sample No. :

tory: WearCheck USA - 501 Madison Ave., Cary, NC 27513

No.: WC0807338

Received: 05 Apr 2024

 Sample No.
 : WC0807338
 Received
 : 05 Apr 2024

 Lab Number
 : 06139778
 Tested
 : 08 Apr 2024

 Unique Number
 : 10964586
 Diagnosed
 : 08 Apr 2024 - Don Baldridge

Certificate L2367 Test Package : PLANT (Additional Tests: KV100, VI)
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)

Contact: Service

JΡ

T:

F: