

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HY/5WM

Component Gearbox Fluid MOBIL MOBILGEAR SHC XMP 320 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

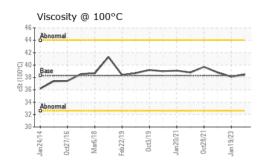
Fluid Condition

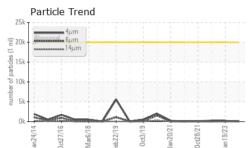
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

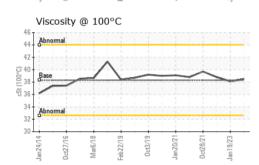
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0807446	WC0695076	WC0407160
Sample Date		Client Info		15 Mar 2024	19 Jan 2023	28 Oct 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		61344	51240	49248
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	21	19	12
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<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	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	2	2
Calcium	ppm	ASTM D5185m	0	<1	0	<1
Phosphorus	ppm	ASTM D5185m	485	390	448	454
Zinc	ppm	ASTM D5185m	0	16	12	32
Sulfur	ppm	ASTM D5185m		4163	4705	5003
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	3	4
Sodium	ppm	ASTM D5185m		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	107	172	251
Particles >6µm		ASTM D7647		35	50	32
Particles >14µm		ASTM D7647	>640	7	8	3
Particles >21µm		ASTM D7647		3	3	1
Particles >38µm		ASTM D7647	>40	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	14/12/10	15/13/10	15/12/9
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	1.24	1.16	1.17



OIL ANALYSIS REPORT







0ct3/19

Certificate 12367

eb22/19

Viscosity @ 40°C

38

360

(340 - Bas (3-0€) 320 ∛3 - Ab

300

260

25

Ê 20

8 15

510

0

gun 5

Abnorma

Particle Trend

0ct27/1

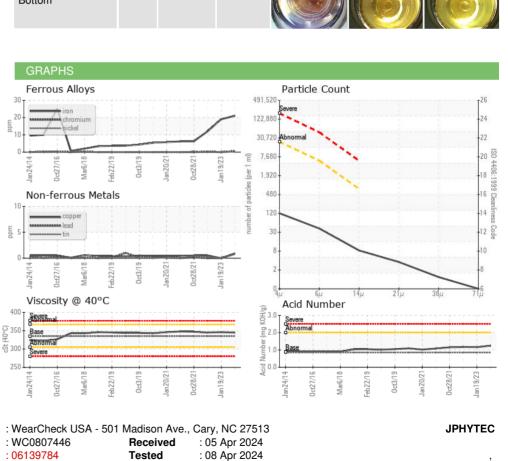
280 - 5

an24/1



Color

Bottom



: 08 Apr 2024 - Don Baldridge

Diagnosed



Report Id: JPHYTEC [WUSCAR] 06139784 (Generated: 04/09/2024 06:21:45) Rev: 1 Contact/Location

Jan 19/23

Jan 19/23

Laboratory

Sample No.

Lab Number

Unique Number : 10964592

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact/Location: Service ? - JPHYTEC

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Contact: Service

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