

OIL ANALYSIS REPORT

Sample Rating Trend



HY/14WM Component Gearbox

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

DIAGNOSIS

Machine Id

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.

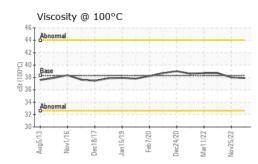
Fluid Condition

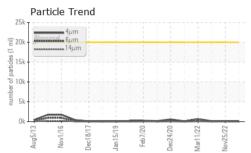
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

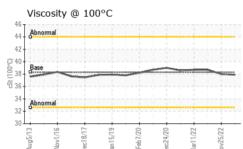
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0695202	WC0695081	WC0407151
Sample Date		Client Info		29 May 2023	25 Nov 2022	28 Apr 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		33744	29304	24240
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	4	4
Chromium	ppm	ASTM D5185m	>15	<1	0	0
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	<1
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm		>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		0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	1	2
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	485	408	446	456
Zinc	ppm	ASTM D5185m		9	2	18
Sulfur	ppm	ASTM D5185m		4235	4747	4989
CONTAMINANTS		method	limit/base			
				current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	2	3
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.2	NEG	NEG	NEG
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	45	109	122
Particles >6µm		ASTM D7647	>5000	16	31	19
Particles >14µm		ASTM D7647	>640	5	6	2
Particles >21µm		ASTM D7647	>160	2	3	1
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	13/11/10	14/12/10	14/11/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	1.29	1.13	0.96



OIL ANALYSIS REPORT







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360

(J-0+) 320

300

260

25

Ê 20

-8 15

510

dmin

S 28

ua5/1

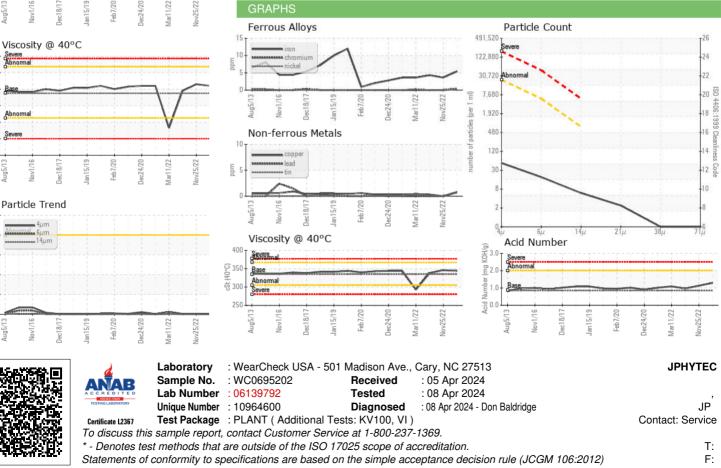
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Color

Bottom





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Contact/Location: Service ? - JPHYTEC

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