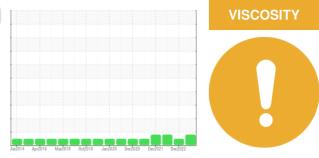


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HY/11WM

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Results confirmed.

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.

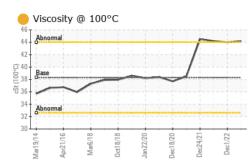
Fluid Condition

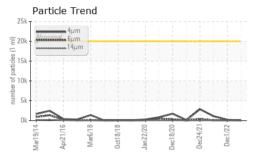
The oil viscosity at 100C is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

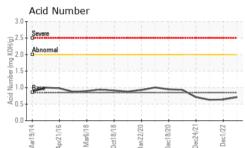
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Sample Number		Client Info		WC0695209	WC0695093	WC0407154
Sample Date		Client Info		26 Jun 2023	01 Dec 2022	04 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		14112	9144	4752
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12	7	4
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
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	0
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	<1
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	0	8
Phosphorus	ppm	ASTM D5185m	485	325	354	393
Zinc	ppm	ASTM D5185m	0	9	1	14
Sulfur	ppm	ASTM D5185m		<mark> </mark> 182	0	5 5
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	7	11
Sodium	ppm	ASTM D5185m	>15	0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.2	NEG	NEG	NEG
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	76	206	1051
Particles >6µm		ASTM D7647	>5000	29	44	47
Particles >14µm		ASTM D7647	>640	5	7	27
Particles >21µm		ASTM D7647	>160	3	2	22
Particles >38µm		ASTM D7647	>40	1	0	0
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	13/12/10	15/13/10	17/13/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.71	0.64	0.63



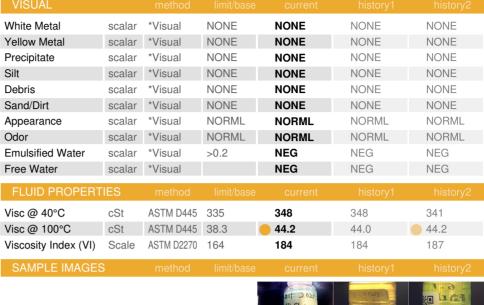
OIL ANALYSIS REPORT







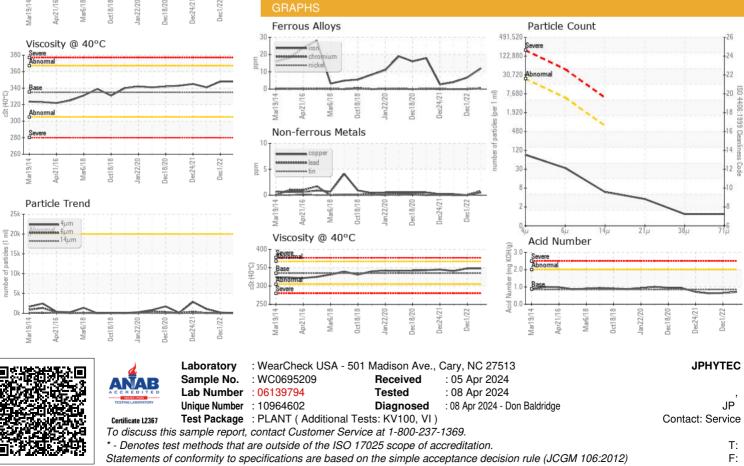
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Color

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Contact/Location: Service ? - JPHYTEC

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