

OIL ANALYSIS REPORT



Machine Id IZ/12WM 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

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

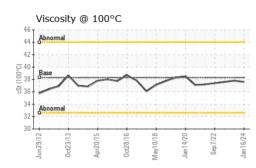
Fluid Condition

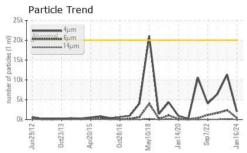
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

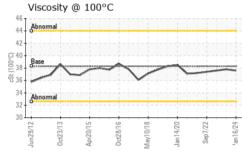
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0807517	WC0807375	WC0695213
Sample Date		Client Info		16 Jan 2024	19 Jun 2023	21 Feb 2023
Machine Age	mths	Client Info		0	0	112605
Oil Age	mths	Client Info		60	53	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	41	37	39
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	0	1	2
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	U	0	<1	<1
Magnesium	ppm	ASTM D5185m		0	2	<1
Calcium	ppm	ASTM D5185m	0	0	1	<1
Phosphorus	ppm	ASTM D5185m	485	428	440	393
Zinc	ppm	ASTM D5185m	0	16	6	21
Sulfur	ppm	ASTM D5185m	U	5355	4575	4516
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		2	3	4
Sodium	ppm ppm	ASTM D5185m		<1	<1	1
Potassium		ASTM D5185m	>20	0	2	<1
Water	ppm %	ASTM D5105III		NEG	NEG	NEG
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1981	11356	6418
Particles >6µm		ASTM D7647	>5000	416	2359	1657
Particles >0µm		ASTM D7647 ASTM D7647	>640	22	151	69
Particles >14µm		ASTM D7647 ASTM D7647		4	38	10
Particles >38µm		ASTM D7647 ASTM D7647	>40	4	1	1
Particles >30µm		ASTM D7647 ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	0 18/16/12	21/18/14	20/18/13
	TION	()				
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	1.30	1.15	1.14

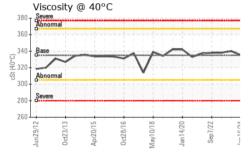


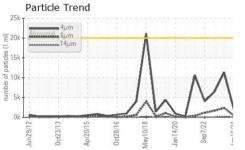
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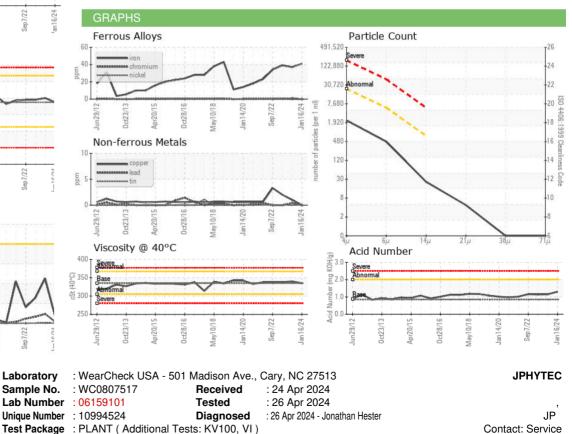




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	335	335	340	338
Visc @ 100°C	cSt	ASTM D445	38.3	37.6	37.8	37.6
Viscosity Index (VI)	Scale	ASTM D2270	164	161	160	160
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						.K.

Color

Bottom



- Certificate 12367 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)

Report Id: JPHYTEC [WUSCAR] 06159101 (Generated: 05/01/2024 02:22:14) Rev: 1

Contact/Location: Service ? - JPHYTEC

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