

Machine Id 4WM/ST/JPBD

Component Gearbox

MOBIL MOBILGEAR SHC XMP 320 (--- GAL)

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Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

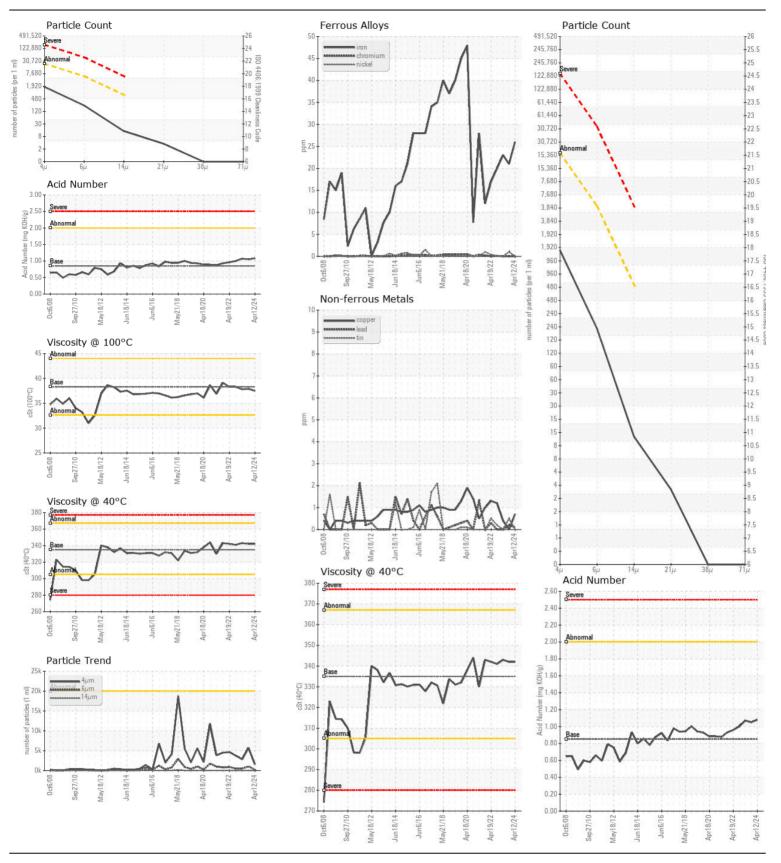
CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0932106	WC0807384	WC0807313
Sample Date		Client Info		12 Apr 2024	26 Sep 2023	18 Apr 2023
Machine Age	mths	Client Info		0	0	33
Oil Age	mths	Client Info		43	37	0
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	26	21	23
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	<1	<1	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	12	12	9
Potassium	ppm	ASTM D5185m	>20	1	2	<1
Water	%	ASTM D6304	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	1570	5692	2832
Particles >6µm		ASTM D7647	>5000	202	1043	519
Particles >14µm		ASTM D7647	>640	12	41	21
Particles >21µm		ASTM D7647	>160	3	9	5
Particles >38µm		ASTM D7647	>40	0	1	1
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/15/11	20/17/13	19/16/12
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
					-	-
Sodium	ppm	ASTM D5185m	>15	2	0	0
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		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	0	1	0
Phosphorus	ppm	ASTM D5185m	485	506	440	483
Zinc	ppm	ASTM D5185m	0	10	0	<1
Sulfur	ppm	ASTM D5185m		5850	4518	5771
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	1.08	1.05	1.07
Visc @ 40°C	cSt	ASTM D445	335	342	342	343
Visc @ 100°C	cSt	ASTM D445	38.3	37.5	37.9	37.8
Viscosity Index (VI)	Scale	ASTM D2270	164	158	159	159



JPHYTEC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0932106 Received : 23 May 2024 Lab Number : 06189161 Tested : 28 May 2024 Unique Number : 11045913 JP : 28 May 2024 - Don Baldridge Diagnosed Test Package : PLANT (Additional Tests: KV100, VI) Contact: Service Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. T: * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Service ? - JPHYTEC Page 2 of 2