

WEAR	
CONTAMINATION	
FLUID CONDITION	NORMAL

## Machine Id 5WM/OG/JPBD Component

## Gearbox

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

WODIE WODIEGEAN SITE AWF 520 ( GAE)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0932117	WC0807387	WC0807244
Resample at the next service interval to monitor.	Sample Date		Client Info		21 May 2024	30 Nov 2023	24 May 2023
	Machine Age	mths	Client Info		0	0	79
	Oil Age	mths	Client Info		92	85	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
WEAR	Iron	ppm	ASTM D5185m		14	12	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	>15	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	0	<1
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		0	0	<1
	Tin	ppm	ASTM D5185m	>25	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		2	2	2
	Potassium	ppm	ASTM D5185m	>20	0	2	4
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water		WC Method	>0.2	NEG	NEG	NEG
	Particles >4µm		ASTM D7647		1002	2800	640
	Particles >6µm		ASTM D7647		169	623	89
	Particles >14µm		ASTM D7647		19	39	5
	Particles >21µm		ASTM D7647		3	10	2
	Particles >38µm		ASTM D7647		0	0	0
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		17/15/11	19/16/12	16/14/10
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
		scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML NORML	NORML NORML	NORML
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
		Scalai	visuai	>0.2	NEG	NLG	NLQ
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	1
The AN lovel is eccentable for this fluid. The condition of the old is	Boron	ppm	ASTM D5185m	0	0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	0	0	0
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	0	0	1	3
	Calcium	ppm	ASTM D5185m		1	0	0
	Phosphorus	ppm	ASTM D5185m		427	421	446
	Zinc	ppm	ASTM D5185m	U	21	15	22

Sulfur

Visc @ 100°C cSt

ppm ASTM D5185m Acid Number (AN) mg KOH/g ASTM D8045 0.85

ASTM D445 38.3

Visc @ 40°C cSt ASTM D445 335

Viscosity Index (VI) Scale ASTM D2270 164

4542

1.05

340

37.2

157

5394

1.11

339

37.3

158

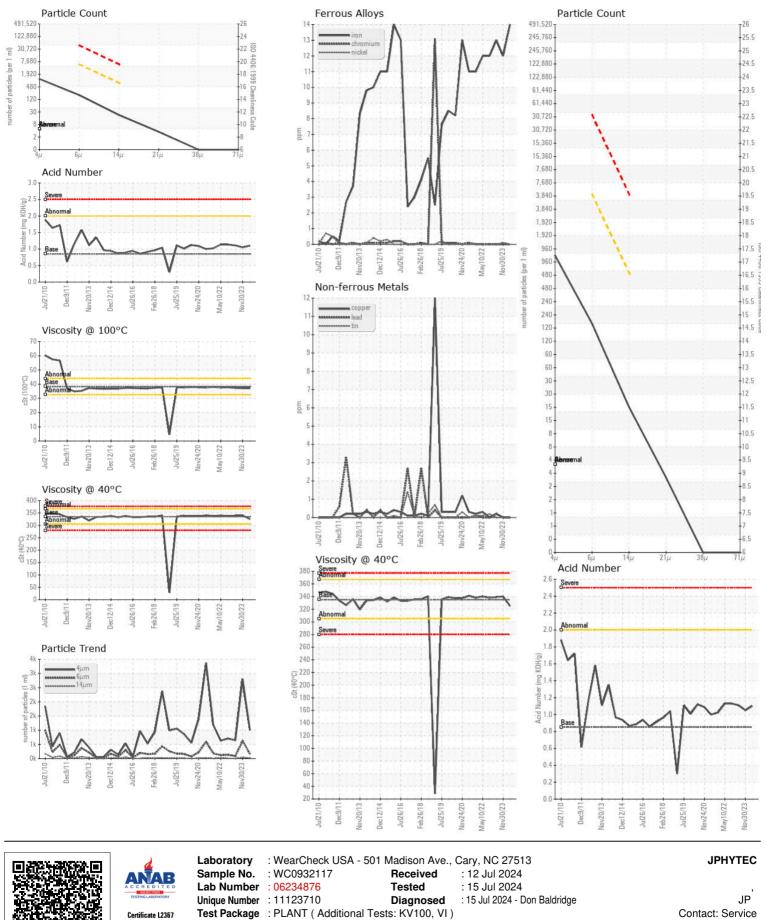
4980

1.10

325

37.1

162



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)

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

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