

## Machine Id BIG EASY Component 3 Slewing Gearbox Fluid CHEVRON MEROPA 220 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.



All component wear rates are normal.

## CONTAMINATION

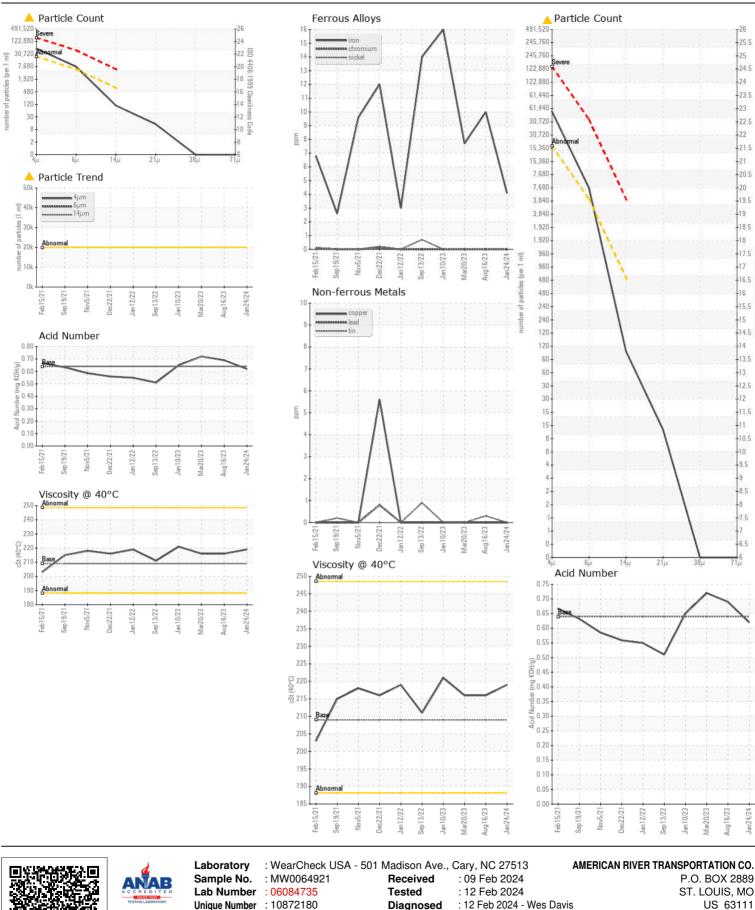
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0064921	MW0057163	MW0036851
Sample Date	la una	Client Info		24 Jan 2024	16 Aug 2023	20 Mar 2023
Machine Age	hrs	Client Info		12616	11616	10678
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	4	10	8
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	<1	0
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>10	0	0	0
Tin	ppm	ASTM D5185m	>10	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		ASTM D5185m	>25	0	0	<1
Potassium	ppm ppm	ASTM D5185m	>20	0	<1	0
Water	ррп	WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>2000	A 49236		
Particles >6µm		ASTM D7647	>5000	▲ 6659		
Particles >14µm		ASTM D7647	>640	93		
Particles >21µm		ASTM D7647	>160	12		
Particles >38µm		ASTM D7647	>40	0		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>23/20/14</b>		
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	10	<1	0	<1
Boron	ppm	ASTM D5185m	40	32	46	27
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m	070	<1	10	8
Phosphorus	ppm	ASTM D5185m	270	227	266	205
Zinc	ppm	ASTM D5185m	9600	0	0	6
Sulfur	ppm	ASTM D5185m	8600	6522	8392	6689
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.62	0.69	0.72
Visc @ 40°C	cSt	ASTM D445	209	219	216	216

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Test Package : MAR 2 (Additional Tests: PrtCount) Contact: BRIAN GRIEWING Certificate L2367 brian.griewing@adm.com 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. F: (314)481-5278 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BRIAN GRIEWING - AMESAI

Page 2 of 2

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