

OIL ANALYSIS REPORT

Sample Rating Trend





Gearbox

Fluid

CHEVRON MEROPA 220 (3 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.

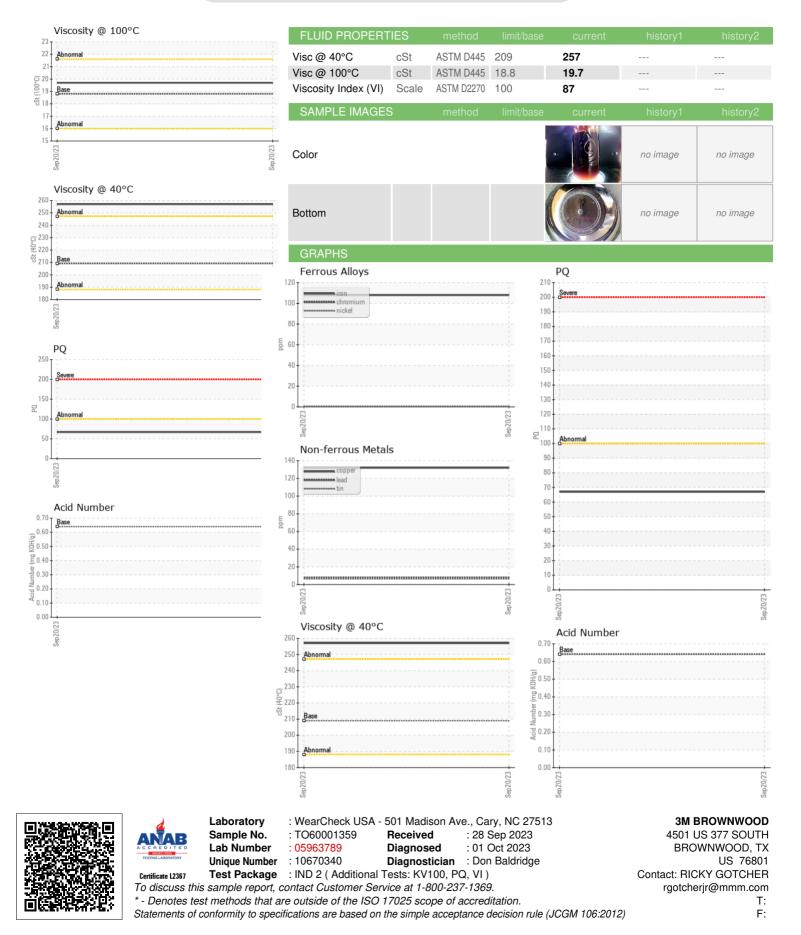
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001359		
Sample Date		Client Info		20 Sep 2023		
Machine Age	yrs	Client Info		30		
Oil Age	yrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		67		
Iron	ppm	ASTM D5185m	>200	108		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>50	8		
Copper	ppm	ASTM D5185m	>200	132		
Tin	ppm	ASTM D5185m	>10	6		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	1. I.	method	limit/base	current	history1	history2
Boron	nom	ASTM D5185m	40	7		nistory2
Barium	ppm	ASTM D5185m	40	2		
	ppm	ASTM D5185m		2 <1		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		69		
	ppm		270	197		
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	270	-		
-	ppm		0000	21		
Sulfur	ppm	ASTM D5185m	8600	12344		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		



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Contact/Location: RICKY GOTCHER - 3MBBRO