

Machine Id HAL PANNELL (S/N 2354) **Port Reduction Gear** CHEVRON MEROPA 220 (150 GAL)

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We recommend you service the filte	rs on this component. We
recommend an early resample to me	onitor this condition.

WEAR

All component wear rates are normal.

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0062359	MW0066508	MW0066517
Sample Date		Client Info		16 Mar 2024	14 Feb 2024	16 Jan 2024
Machine Age	hrs	Client Info		44138	43370	42989
Oil Age	hrs	Client Info		3155	2387	2007
Filter Age	hrs	Client Info		3155	2387	2007
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	8	10	8
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	-	0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	2	3	3
Tin	ppm	ASTM D5185m	>10	0	0	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	<1	<1	<1
Potassium	ppm	ASTM D5185m		7	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	A 72062		
Particles >6µm		ASTM D7647	>5000	3659		
Particles >14µm		ASTM D7647	>640	40		
Particles >21µm		ASTM D7647	>160	11		
Particles >38µm		ASTM D7647		0		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 23/19/12		
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		3	<1	2
Boron	ppm	ASTM D5185m	40	9	18	13
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m 270

ASTM D5185m 8600

0.64

ppm

ppm

ppm

ppm

ppm

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

Visc @ 40°C cSt ASTM D445 209

WEAR NORMAL CONTAMINATION **ABNORMAL** FLUID CONDITION NORMAL

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

Report Id: AMELOU [WUSCAR] 06151930 (Generated: 04/18/2024 14:53:18) Rev: 1

0

0

16

204

15

6265

0.58

225

0

<1

80

233

26

7040

0.59

224

0

0

16

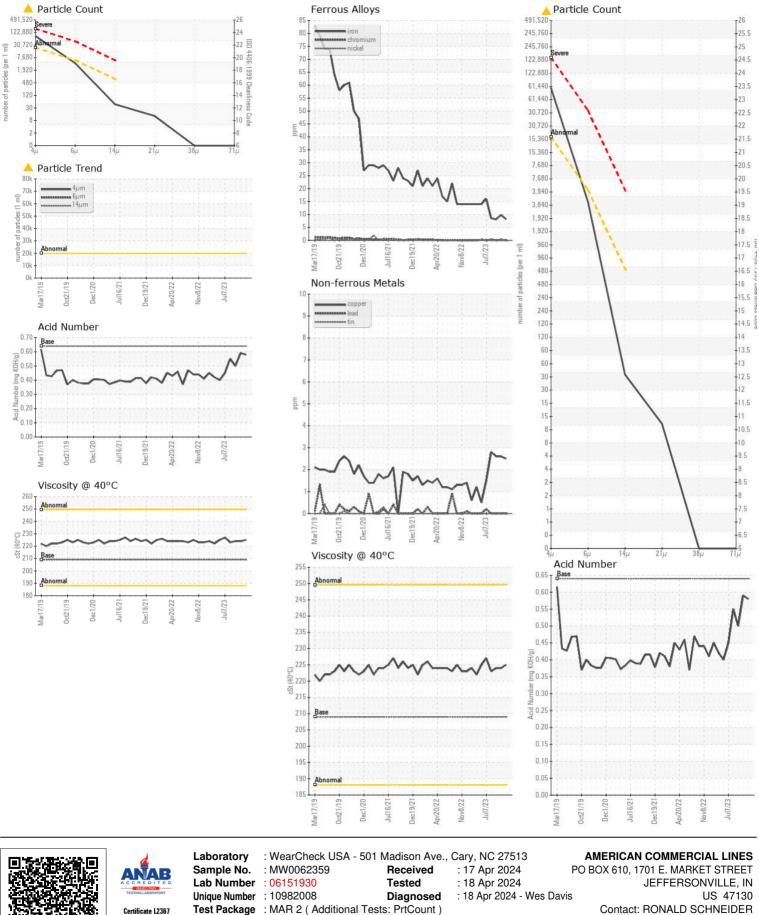
214

12

6573

0.50

224



Certificate 12367 Test Package : MAR 2 (Additional Tests: PrtCount) 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) F: (812)288-1644

Contact/Location: RONALD SCHNEIDER - AMELOU Page 2 of 2

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