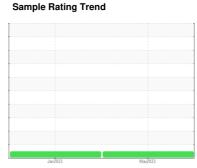


OIL ANALYSIS REPORT







3000T

Component **Hydraulic System**

CHEVRON RANDO HDZ ISO 100 (1500 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

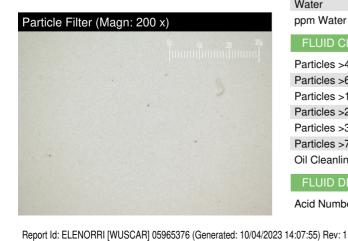
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		OG0000010	OG0000003	
Sample Date		Client Info		12 May 2023	11 Jan 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	1	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		4	4	
Calcium	ppm	ASTM D5185m		90	93	
Phosphorus	ppm	ASTM D5185m		318	320	
Zinc	ppm	ASTM D5185m		395	398	
Sulfur	ppm	ASTM D5185m		1003	1010	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	0.001	0.001	
ppm Water	ppm	ASTM D6304	>500	7.3	0.4	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>2500	1849	865	
Particles >6μm		ASTM D7647	>640	59	54	
Particles >14µm		ASTM D7647	>80	3	3	
Particles >21µm		ASTM D7647	>20	1	0	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647	>3	0	0	

ISO 4406 (c) >18/16/13

mg KOH/g ASTM D8045



Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

0.24

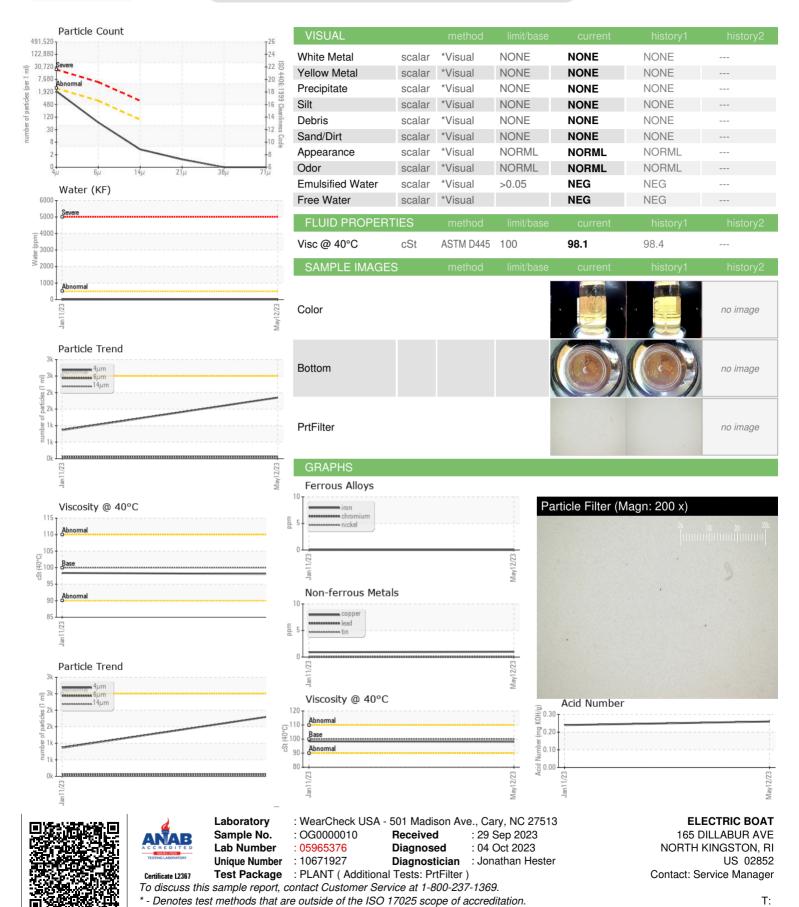
17/13/9

18/13/9

0.26



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: