

....dd u

llılı

ISO

Machine Id

ROOTS 1ST STAGE BLOWER B

Component Compressor Fluid

CHEVRON CLARITY SYNTHETIC PMO ISO 220 (--- GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

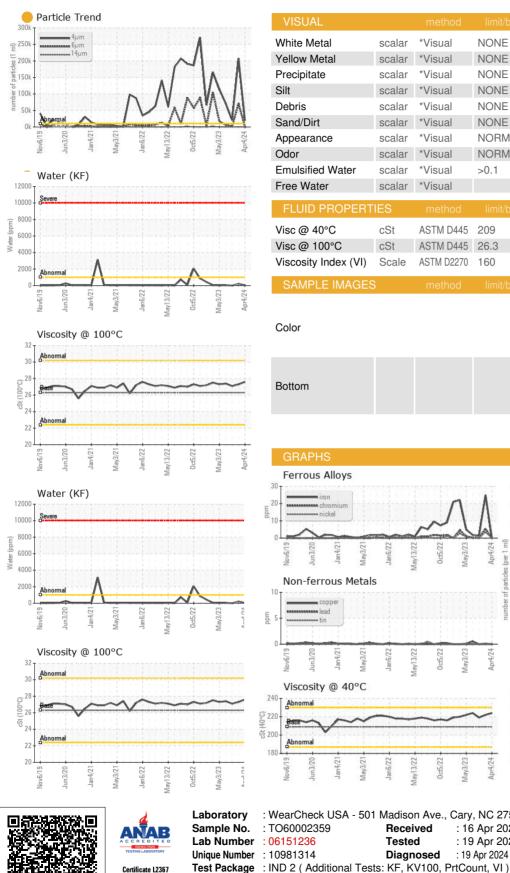
Fluid Condition

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

Sample Number Client Info TO60002395 TO60001072 TO7 Sep 2023 Machine Age hris Client Info 28265 28854 31261 Oil Added Math N/A ATTENTION ABNORMAL ABNORMAL Sample Status method imilion current history1 history2 Iron ppm ASTM 05155n 0 0 0 0 Silver ppm ASTM 05155n 5 0 -1 0 Silver ppm ASTM 05155n >10 0 0 0 Corpor ppm ASTM 05155n >10 0 0 0 Codmium ppm ASTM	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 04 Apr 2024 02 Oct 2023 07 Sep 2023 Machine Age hrs Client Info 45519 41148 40559 Oil Age hrs Client Info 28265 28854 31251 Oil Added N/A N/A N/A ABNORMAL ABNORMAL Sample Status method limit/base current history1 history2 Iron ppm ASTM 05155n >50 0 25 1 Ohromium ppm ASTM 05155n >50 0 0 0 Nickel ppm ASTM 05155n 0 0 0 0 Silver ppm ASTM 05155n >60 0 0 0 Cadmium ppm ASTM 05155n >60 0 0 0 Vanadium ppm ASTM 05155n >60 0 0 0 Admium ppm ASTM 05155n 0 -11 0 0	Sample Number		Client Info		TO60002359	TO60001072	TO60001101
Machine Age hrs Client Info 45519 41148 40559 Oil Age hrs Client Info 28265 28854 31251 Oil Changed Client Info Oil Added N/A N/A Sample Status method Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 25 1 Chromium ppm ASTM D5185m >55 0 0 0 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >15 0 <1 0 Lead ppm ASTM D5185m >65 0 0 0 0 Cadmium ppm ASTM D5185m >10 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 Manganese ppm ASTM D5185m 0 <1 <t< th=""><th></th><th></th><th>Client Info</th><th></th><th>04 Apr 2024</th><th>02 Oct 2023</th><th>07 Sep 2023</th></t<>			Client Info		04 Apr 2024	02 Oct 2023	07 Sep 2023
Oil Age hrs Client Info 28265 28854 31251 Oil Changed Client Info Oil Added N/A N/A Sample Status n Imit/Dass ATTENTION ABNORMAL ABNORMAL WEAR METALS method Imit/Dass current history1 history2 Iron ppm ASTM D5185m >50 0 25 1 Chromium ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >55 0 0 0 Aduminum ppm ASTM D5185m >65 0 <1 0 Cadmium ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 AstM D5185m 0 0 0 0 0 0 <td< th=""><th></th><th>hrs</th><th></th><th></th><th>-</th><th></th><th></th></td<>		hrs			-		
Oil Changed Sample Status Client Info Oil Added ATTENTION N/A N/A WEAR METALS method limit/base current History1 History2 Iron ppm ASTM D5185m >50 0 25 1 Chromium ppm ASTM D5185m >50 0 3 0 Nickel ppm ASTM D5185m >55 0 0 0 0 Aluminum ppm ASTM D5185m >55 0 0 0 0 Lead ppm ASTM D5185m >65 0 -<1 0 0 Vandium ppm ASTM D5185m >65 0 0 0 0 Vandium ppm ASTM D5185m >10 0 0 0 0 Vandium ppm ASTM D5185m 0 0 0 0 0 Vandium ppm ASTM D5185m 0 0 0 0 0 1	0						
Sample Status Antled ATTENTION ABNORMAL ABNORMAL ABNORMAL WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >55 0 25 1 Chromium ppm ASTM D5185m >55 0 3 0 Nickel ppm ASTM D5185m >55 0 0 0 Silver ppm ASTM D5185m >55 0 <1 0 Lead ppm ASTM D5185m >65 0 <1 0 Copper ppm ASTM D5185m >655 0 <1 0 Cadmium ppm ASTM D5185m 50 0 0 0 Cadmium ppm ASTM D5185m 50 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Baron ppm ASTM D5185m 0 0 0	-						
Iron ppm ASTM D5185m >50 0 25 1 Chromium ppm ASTM D5185m >5 0 3 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Auminum ppm ASTM D5185m >15 0 <1 0 Lead ppm ASTM D5185m >65 0 0 0 Copper ppm ASTM D5185m >65 0 0 0 Vanadium ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Baron ppm ASTM D5185m 0 0 0 0 Magnesse ppm ASTM D5185m 0 0 1 1 Phosphorus ppm ASTM D5185m 2837 2603 3056 <	0				ATTENTION	ABNORMAL	ABNORMAL
Chromium ppm ASTM D5185m >5 0 5 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >15 0 <1 0 Lead ppm ASTM D5185m >65 0 0 0 0 Vanadium ppm ASTM D5185m >10 0 0 0 0 Vanadium ppm ASTM D5185m >10 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >5 0 5 0 Nickel ppm ASTM D5185m 0 3 0 Silver ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 5 0 -1 0 Lead ppm ASTM D5185m >65 0 -1 0 Copper ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Baron ppm ASTM D5185m 0 0 -1 0 Magnesium ppm ASTM D5185m 0 0 -1 1	Iron	ppm	ASTM D5185m	>50	0	25	1
Nickel ppm ASTM D5185m 0 3 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 15 0 <1 0 Lead ppm ASTM D5185m >15 0 <1 0 Copper ppm ASTM D5185m >65 0 <1 0 Cadmium ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 1 1 Phosphorus ppm ASTM D5185m 0 1 1 1 Phosphorus ppm ASTM D5185m 37 31 42 2 Solium </th <th>Chromium</th> <th></th> <th>ASTM D5185m</th> <th>>5</th> <th>0</th> <th>5</th> <th>0</th>	Chromium		ASTM D5185m	>5	0	5	0
Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 <1 0 Aluminum ppm ASTM D5185m >15 0 <1 0 Lead ppm ASTM D5185m >15 0 <1 0 Copper ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnaese ppm ASTM D5185m 0 <1 0 7 Sulfur ppm ASTM D5185m 0 0 1 <1 Phosphorus ppm ASTM D5185m 2837 2603 3056							
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m<>15 0 <1 0 Lead ppm ASTM D5185m<>65 0 0 0 Copper ppm ASTM D5185m<>10 0 0 0 Vanadium ppm ASTM D5185m 10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 1 1 Calcium ppm ASTM D5185m 0 1	Titanium						
Atuminum ppm ASTM D5185m >15 0 <1							
Lead ppm ASTM D5185m >65 0 0 0 Copper ppm ASTM D5185m >65 0 <1 0 Tin ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Malganese ppm ASTM D5185m 0 -1 0 Maganese ppm ASTM D5185m 0 -1 0 Maganese ppm ASTM D5185m 0 1 -1 Phosphorus ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm				>15			
Copper ppm ASTM D5185m >65 0 <1							
Tin ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Mainganese ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 1 0 1 Phosphorus ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m 20 0 0 2 Water % <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Vanadium ppm ASTM D5185m <1							
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 1 0 Calcium ppm ASTM D5185m 0 1 0 1 Chacium ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm <th></th> <th></th> <th></th> <th>210</th> <th>-</th> <th></th> <th></th>				210	-		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 0 -<1 0 0 -1 Calcium ppm ASTM D5185m 0 1 -1 1 0 -1 Phosphorus ppm ASTM D5185m 37 31 42 2 Zinc ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 0 0 2 Sodium ppm ASTM D5185m 20 0 0 2 Vater % ASTM D6185m 20							
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 1 <1 Calcium ppm ASTM D5185m 0 1 <1 Phosphorus ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 37 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >20 0 0 2 Water % ASTM D5165m 0 0 0		le le		limit/base		-	-
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 <1 0 Magnesse ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 0 <1 0 Calcium ppm ASTM D5185m 0 1 <1 0 Phosphorus ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5185m >20 0 0.021 0.00 Particles >4µm ASTM D6304		nom					
Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 0 <1 0 Calcium ppm ASTM D5185m 0 1 <1 <1 Phosphorus ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 37 31 42 Sulfur ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 0 0.22 0 Water % ASTM D6304 >0.1 0.001 0.021 0.00 particles >4µm							
Marganese ppm ASTM D5185m 0 <1							
Magnesium ppm ASTM D5185m 0 0 <1							
Calcium ppm ASTM D5185m 0 1 <1	•				-		÷
Phosphorus ppm ASTM D5185m 37 31 42 Zinc ppm ASTM D5185m 1 0 7 Sulfur ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1	0						
Zinc ppm ASTM D5185m 1 0 7 Sulfur ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 0.001 0.021 0.00 ppm Water ppm ASTM D647 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 207847 20465 Particles >14µm ASTM D7647 >2500 1714 69948 1					-		
Sulfur ppm ASTM D5185m 2837 2603 3056 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D6304 >0.1 0.001 0.021 0.00 Patter % ASTM D6304 >1000 15 210.0 0.00 ppm Water ppm ASTM D7647 >10000 19246 ▲ 207847 ▲ 20465 Particles >4µm ASTM D7647 >2500 1714 ▲ 69948 1489 Particles >6µm ASTM D7647 >20 10 10 5 Particles >1µm ASTM D7647 >20 1 1 1 Particles >38µm ASTM D7647 20 0 0 0							
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >35 1 4 <1 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5185m >20 0 0.021 0.00 Water % ASTM D6304 >0.1 0.001 0.021 0.00 ppm Water ppm ASTM D6304 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 207847 20465 Particles >6µm ASTM D7647 >2500 1714 69948 1489 Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >0 0 <td< th=""><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	-						
Silicon ppm ASTM D5185m >35 1 4 <1				limit/base			
Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 0.001 0.021 0.00 ppm Water ppm ASTM D6304 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1000 19246 207847 20465 Particles >6µm ASTM D7647 >2500 1714 69948 1489 Particles >6µm ASTM D7647 >320 48 84 28 Particles >1µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12							
Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 0.001 0.021 0.00 ppm ASTM D6304 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 △ 207847 △ 20465 Particles >6µm ASTM D7647 >2500 1714 △ 69948 1489 Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current							
Water % ASTM D6304 >0.1 0.001 0.021 0.00 ppm Water ppm ASTM D6304 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 207847 20465 Particles >6µm ASTM D7647 >2500 1714 69948 1489 Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current history1 history2				>20			
ppm Water ppm ASTM D6304 >1000 15 210.0 0.00 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 207847 20465 Particles >6µm ASTM D7647 >2500 1714 69948 1489 Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current history1 history2							
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 19246 207847 20465 Particles >6µm ASTM D7647 >2500 1714 69948 1489 Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12							
Particles >6μm ASTM D7647 >2500 1714 ▲ 69948 1489 Particles >14μm ASTM D7647 >320 48 84 28 Particles >21μm ASTM D7647 >80 10 10 5 Particles >38μm ASTM D7647 >20 0 1 1 Particles >38μm ASTM D7647 >20 0 1 1 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 ▲ 25/23/14 ▲ 22/18/12	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >6μm ASTM D7647 >2500 1714 ▲ 69948 1489 Particles >14μm ASTM D7647 >320 48 84 28 Particles >21μm ASTM D7647 >80 10 10 5 Particles >38μm ASTM D7647 >20 0 1 1 Particles >38μm ASTM D7647 >20 0 1 1 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 ▲ 25/23/14 ▲ 22/18/12	Particles >4µm					▲ 207847	
Particles >14µm ASTM D7647 >320 48 84 28 Particles >21µm ASTM D7647 >80 10 10 5 Particles >38µm ASTM D7647 >20 0 1 1 Particles >38µm ASTM D7647 >20 0 1 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>2500	1714	▲ 69948	1489
Particles >38μm ASTM D7647 >20 0 1 1 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>320	48	84	28
Particles >38μm ASTM D7647 >20 0 1 1 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 25/23/14 22/18/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	10	10	5
Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 21/18/13 Δ 25/23/14 Δ 22/18/12 FLUID DEGRADATION method limit/base current history1 history2						1	
Oil CleanlinessISO 4406 (c)>20/18/1521/18/1325/23/1422/18/12FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2					0	0	0
			ISO 4406 (c)				▲ 22/18/12
Acid Number (AN) mg KOH/g ASTM D8045 0.29 0.246 0.29	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.29	0.246	0.29



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	209	224	222	219
Visc @ 100°C	cSt	ASTM D445	26.3	27.6	27.3	27.09
Viscosity Index (VI)	Scale	ASTM D2270	160	159	158	158
SAMPLE IMAGES		method	limit/base	current	history1	history2



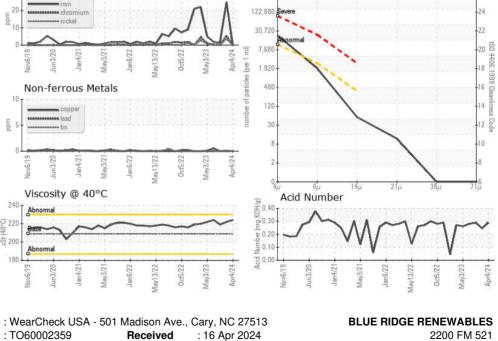
Bottom

GRAPHS Ferrous Alloys

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.





: 19 Apr 2024

: 19 Apr 2024 - Don Baldridge

Tested

Diagnosed

2200 FM 521 FRESNO, TX US 77545 Contact: Ezequiel Tirado ztirado@morrowenergy.com T: (214)425-5006 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Report Id: BLUFRE [WUSCAR] 06151236 (Generated: 04/19/2024 23:43:19) Rev: 1

Certificate 12367

Submitted By: TECHNICIAN ACCOUNT

Page 2 of 2