WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL NORMAL**

Machine Id

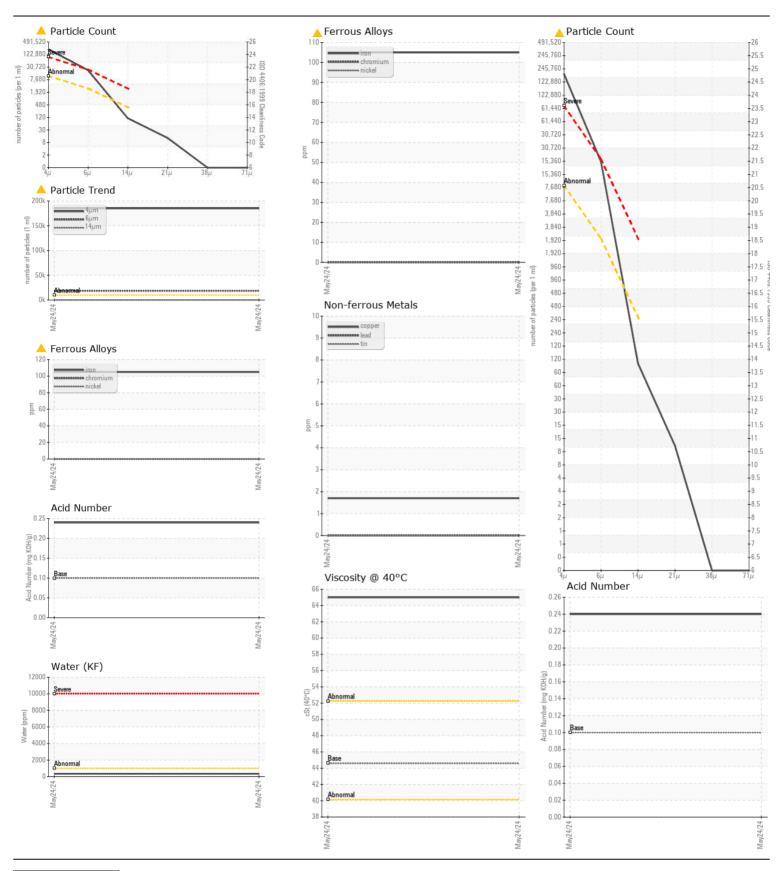
QUINCY BU0903

Component Compressor

QUINCY QUINSYN (--- GAL)

at the time of sampling has been noted. Resample at the next service interval to monitor. Machine Age	QUINCY QUINSYN (GAL)							
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	Historv1	Historv2
Machine Age	No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.						,	
Interval to monitor.		Sample Date		Client Info		24 May 2024		
Filter Age Ins Client Info Changed Changed Client Info Changed Chang		Machine Age	hrs	Client Info		35822		
Oil Changed Client Info Changed Client Info Changed ABNORMAL Client Client Changed ABNORMAL Client Changed ABNORMAL Client Changed ABNORMAL Client Changed Changed Changed Changed Client Changed Chan		Oil Age	hrs	Client Info		0		
Filter Changod Client Info Changed Changed Changed Changed Changed Chromium ppm ASTM D5 (%m 5-50 0		Filter Age	hrs	Client Info		0		
MEAR		Oil Changed		Client Info		Changed		
Iron				Client Info		Changed		
All component wear rates are normal. Chromium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Aluminum ppm ASTM DSISS 0 0 Potassium ppm ASTM DSISS 0 0 Particles - 4µm ASTM D7647 0 0 0 Particles - 5µm ASTM D7647 0 0 0 Particles - 3µm ASTM D7647 0 0 0 Particles - 3µm ASTM D7647 0 0 0 Particles - 3µm ASTM DSISS 0 0		Sample Status				ABNORMAL		
All component wear rates are normal. Chromium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Titanium ppm ASTM DSISS 0 0 Aluminum ppm ASTM DSISS 0 0 Potassium ppm ASTM DSISS 0 0 Particles - 4µm ASTM D7647 0 0 0 Particles - 5µm ASTM D7647 0 0 0 Particles - 3µm ASTM D7647 0 0 0 Particles - 3µm ASTM D7647 0 0 0 Particles - 3µm ASTM DSISS 0 0	MEAD							
All component wear rates are normal. Nickel ppm	WEAR							
Titanium ppm ASTM D5185m 0	All component wear rates are normal.				>10			
Silver								
Aluminum						-		
Lead					05			
Copper								
Tin Vanadium Va								
Vanadium								
White Metal Yellow Metal Scalar Yisual NONE NONE					>10			
Vellow Metal Scalar Visual NONE NONE Potassium ppm ASTM D5185m >20 1 Particles > 4μm ppm ASTM D5804 >1000 347 Particles > 5μm Particles > 6μm Particles > 6μm Particles > 38μm ASTM D7647 >200 № 16667 Particles > 38μm ASTM D7647 >200 № 1667 Particles > 38μm ASTM D7647 >20 0 Particles > 38μm ASTM D7647 >20 0 Particles > 71μm ASTM D7647 >20 0 Particles > 38μm ASTM D7647 >20 0 Particles					NONE	-		
Silicon ppm ASTM 05185m >25 11 Potassium ppm ASTM 05185m >20 1 Potassium ppm ASTM 05185m >20 1 Potassium ppm ASTM 05185m >20 1 Particles >4µm Particles >4µm ASTM 056304 >1000 347 Particles >4µm ASTM 056304 >1000 347 Particles >4µm ASTM 056304 >1000 347 Particles >4µm ASTM 05647 >1000 ASTM 05647 >2500 ASTM 05647 >2500 ASTM 05647 >2500 ASTM 05647 >2500 ASTM 05647 >20 Particles >3µm ASTM 05647 >4 Particles >3µm ASTM 05656m Particles >3µm ASTM 05667 Particles >3µm ASTM 05667 Particles >3µm						_		
Potassium ppm ASTM D5185m >20 1			Scalai	VISUAI	INOINE	NONE		
Potassium ppm ASTM D5185m >20 1	CONTAMINATION	Silicon	mqq	ASTM D5185m	>25	11		
Water 9% ASTM D6304 > 0.00 347	CONTAININATION							
Particles >4µm ASTM D7647 >2500 184913	There is a high amount of silt (particulates < 14 microns in size) present in the oil.					0.034		
Particles >4μm ASTM D7647 >10000		ppm Water	ppm	ASTM D6304	>1000	347		
Particles >6µm ASTM D7647 >2500			1-1-					
Particles > 14µm				ASTM D7647	>2500	18667		
Particles > 38 \(\text{µm} \) ASTM D7647 > 20 0 Particles > 71 \(\text{µm} \) ASTM D7647 > 4 0 Oil Cleanliness Silt Scalar "Visual NONE NONE NONE Debris Scalar "Visual NONE NON				ASTM D7647	>320	95		
Particles >71 µm Oil Cleanliness SO 4406 (c) >2018/15 ≥25/21/14		Particles >21µm		ASTM D7647	>80	11		
Oil Cleanliness ISO 4406 (c) >2018/15 25/21/14		Particles >38μm		ASTM D7647	>20	0		
Silt Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NON		Particles >71μm		ASTM D7647	>4	0		
Debris Scalar *Visual NONE NORML NORM						<u>25/21/14</u>		
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML		Silt	scalar	*Visual	NONE	NONE		
Appearance Odor Scalar *Visual NORML NORML			scalar			_		
Odor Scalar *Visual NORML NO			scalar	*Visual				
Emulsified Water scalar *Visual >0.1 NEG								
Sodium ppm ASTM D5185m D Calcium D Cal								
Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service. Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 302 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOHg ASTM D8045 .10 0.24 Visc @ 40°C CSt ASTM D445 44.6 65.0 Visc @ 100°C CSt ASTM D445 7.8 9.1		Emulsified Water	scalar	*Visual	>0.1	NEG		
Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service. Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 302 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOHg ASTM D8045 .10 0.24 Visc @ 40°C CSt ASTM D445 44.6 65.0 Visc @ 100°C CSt ASTM D445 7.8 9.1	ELUID CONDITION	Sodium	nnm	ASTM D5185m		47		
Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service. Barium ppm ASTM D5185m ppm	T LOID CONDITION							
Investigate. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Viscosity of sample indicates oil is within ISO 68 range, advise							
The condition of the oil is acceptable for the time in service. Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D5185m 302 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1	investigate. Confirm oil type. The AN level is acceptable for this fluid.							
Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1	The condition of the oil is acceptable for the time in service.	•						
Calcium ppm ASTM D5185m 10 Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C CSt ASTM D445 44.6 65.0 Visc @ 100°C CSt ASTM D445 7.8 9.1								
Phosphorus ppm ASTM D5185m 23 Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1		•						
Zinc ppm ASTM D5185m 46 Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1								
Sulfur ppm ASTM D5185m 302 Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1		•						
Acid Number (AN) mg KOH/g ASTM D8045 .10 0.24 Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1								
Visc @ 40°C cSt ASTM D445 44.6 65.0 Visc @ 100°C cSt ASTM D445 7.8 9.1					.10			
Visc @ 100°C cSt ASTM D445 7.8 9.1		. ,						
		_						
		_						

Contact/Location: SEAN ? - QUAALV





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06210107

: QUC0000814 Unique Number : 11082971

Received **Tested** Diagnosed

Test Package: IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

: 17 Jun 2024

: 14 Jun 2024

: 18 Jun 2024 - Angela Borella

US 76009 Contact: SEAN SEAN@QCOMPRESSOR.COM

T: (817)822-1333

QUALITY COMPRESSOR

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:

4428 CR 616

ALVARADO, TX