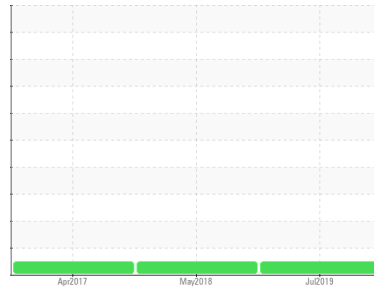


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**QUINCY QUINCY VACUUM PUMP 10**  
 Component  
**Vacuum Pump**  
 Fluid  
**TULCO LUBSOIL SYNTHETIC COMPRESSOR 46 (--- 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>TO5010838</b>	TO5010017	TO5007953
Sample Date	Client Info			<b>23 Jul 2019</b>	14 May 2018	03 Apr 2017
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	NEG	NEG

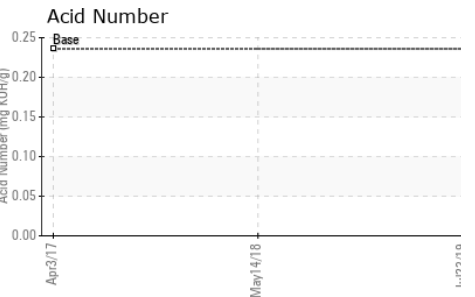
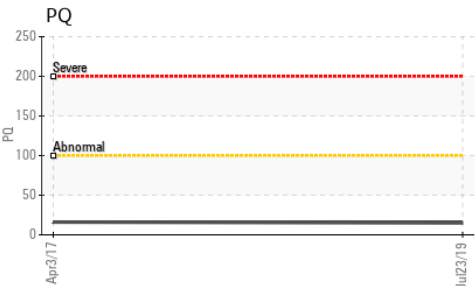
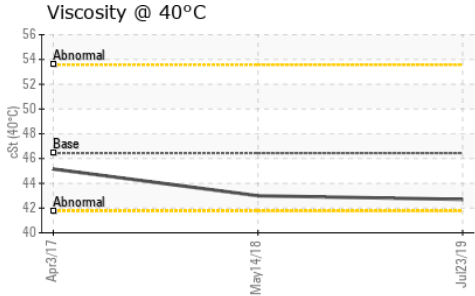
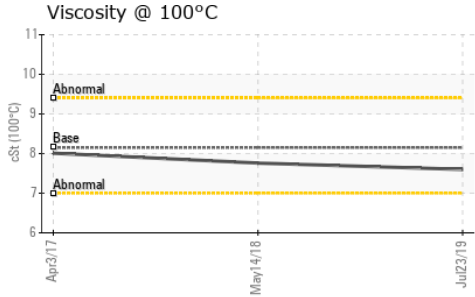
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>15</b>	---	16
Iron	ppm	ASTM D5185m	>500	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>35	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m		<b>1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	<1	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0	2
Phosphorus	ppm	ASTM D5185m	74	<b>39</b>	40	156
Zinc	ppm	ASTM D5185m		<b>1</b>	0	3
Sulfur	ppm	ASTM D5185m	1000	<b>754</b>	595	511

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	<1
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	16
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.236	<b>---</b>	0.232	---

# OIL ANALYSIS REPORT

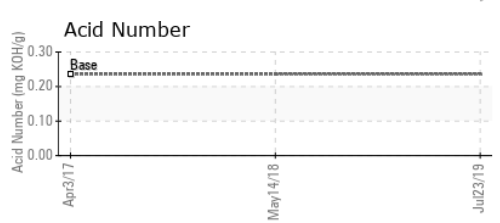
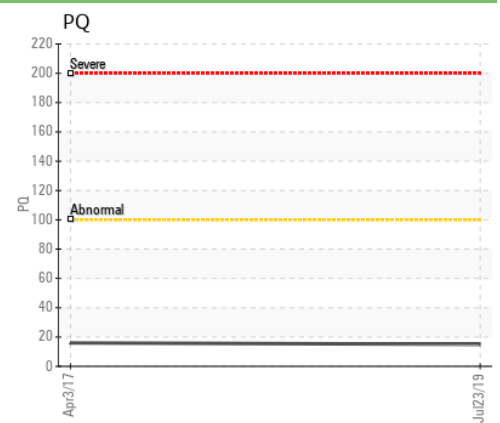
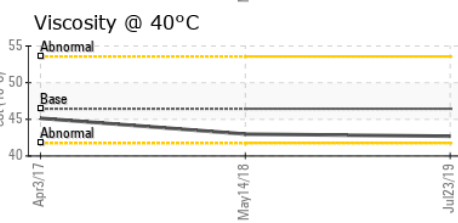
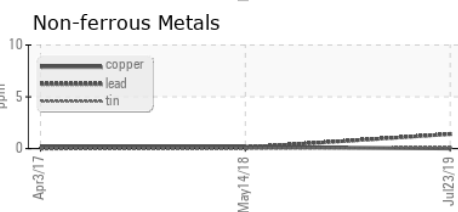
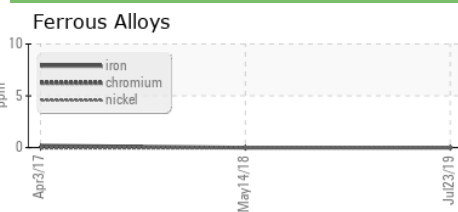


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.44	42.99	45.15
Visc @ 100°C	cSt	ASTM D445	8.15	7.76	8.01
Viscosity Index (VI)	Scale	ASTM D2270	149	151	150

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO5010838 **Received** : 24 Jul 2019  
**Lab Number** : **04761542** **Tested** : 25 Jul 2019  
**Unique Number** : 8674268 **Diagnosed** : 25 Jul 2019 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

**DALLAS MORNING NEWS**  
 3900 W PLANO PKWY  
 PLANO, TX  
 US 75075  
 Contact: KENNY CLARK  
 kclark@dallasnews.com  
 T: (214)977-6929  
 F: (214)977-6888

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)