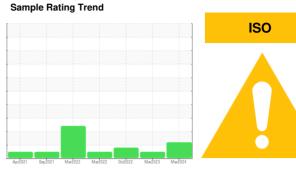


# **OIL ANALYSIS REPORT**

# (FA-J6630) M&R EXPORT [9596.1] MYCOM RC-02 (S/N 20462)

Reciprocating Compressor

**SUMMIT RHT 68 (4 GAL)** 



### **DIAGNOSIS**

### Recommendation

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

All component wear rates are normal.

### Contamination

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

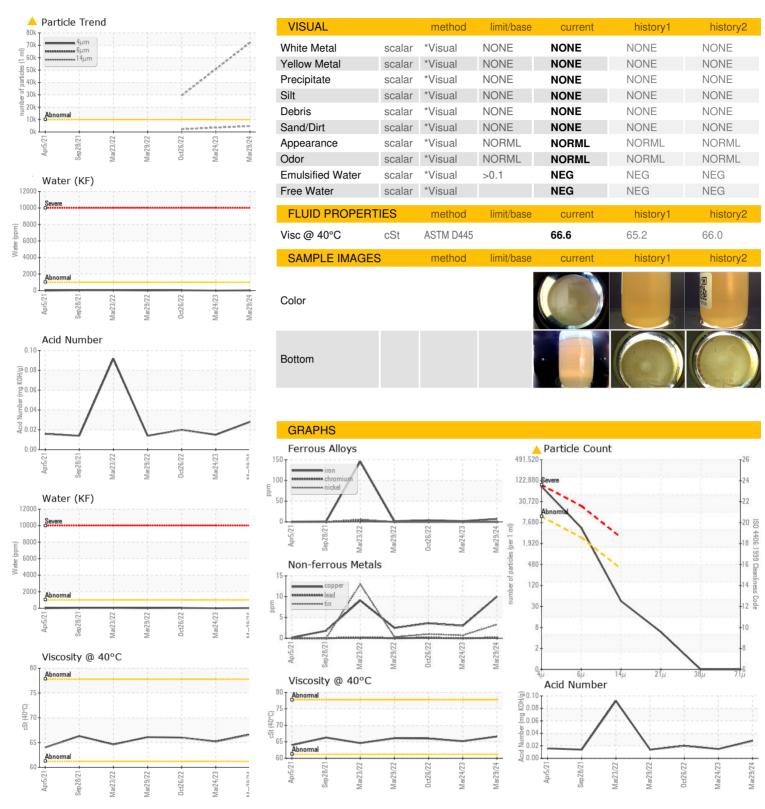
### **Fluid Condition**

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

Sample Number         Client Info         WC081598         WC0712678         WC0712707           Sample Date         Client Info         29 Mar 2024         24 Mar 2023         26 Oct 2022           Machine Age         hrs         Client Info         0         2602         2371           Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         Not Change           Sample Status         Client Info         N/A         N/A         Not Change           Sample Status         Client Info         N/A         N/A         Not Change           Sample Status         Method         Imitity Imitit							
Sample Date         Client Info         29 Mar 2024         24 Mar 2023         26 Oct 2022           Machine Age         hrs         Client Info         0         2602         2371           Oil Age         hrs         Client Info         0         0         0         0           Oil Old Age         hrs         Client Info         N/A         N/A         N/A         Not Change           Sample Status         Client Info         N/A         N/A         N/A         Not Change           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         >50         0         0         0           Iron         ppm         ASTM D5185m         0         0         0         0           Itanium         ppm         ASTM D5185m         >25         <1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         2602         2371           Oil Age         hrs         Client Info         0         0         0         0           Oil Changed         Client Info         N/A         N/A         NA         Not Change           Sample Status         method         Imitibase         current         history1         history2           Iron         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         25         <1         <1         <1         <1           Lead         ppm         ASTM D5185m         25         <1         0         <1         <1         <1           Copper         ppm         ASTM D5185m         50         10         3         4         <1           Lead         ppm         ASTM D5185m <th< td=""><td>Sample Number</td><td></td><td>Client Info</td><td></td><th>WC0851598</th><td>WC0712678</td><td>WC0712709</td></th<>	Sample Number		Client Info		WC0851598	WC0712678	WC0712709
Oil Age         hrs         Client Info         N/A         N/A         N/A         Not Change           Sample Status         Client Info         N/A         N/A         NA         Not Change           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         <1         0         <1         <1           Copper         ppm         ASTM D5185m         >50         10         3         4         1           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0	Sample Date		Client Info		29 Mar 2024	24 Mar 2023	26 Oct 2022
Oil Changed Sample Status         Client Info         N/A         N/A         N/A         Not Change ABNORMAL         NORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM DS185m         >50         7         2         4           Chromium         ppm         ASTM DS185m         0         0         0         0           Nikel         ppm         ASTM DS185m         0         0         0         0           Titanium         ppm         ASTM DS185m         0         0         0         0           Aluminum         ppm         ASTM DS185m         0         0         0         <1           Lead         ppm         ASTM DS185m         >25         <1         <1         <1         <1           Capper         ppm         ASTM DS185m         >50         10         3         4         <1         1           Vanadium         ppm         ASTM DS185m         0         <1         0         <2           Cadmium         ppm         ASTM DS185m         0         <1         0            ADDITI	Machine Age	hrs	Client Info		0	2602	2371
Sample Status         MBNORMAL         NORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         -1           Aluminum         ppm         ASTM D5185m         >25         <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         7         2         4           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         <1	Oil Changed		Client Info			N/A	Not Changd
Iron	Sample Status				ABNORMAL	NORMAL	ABNORMAL
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0           Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         >25         -1         <1         <1           Aluminum         ppm         ASTM D5185m         >25         -1         0         <1           Lead         ppm         ASTM D5185m         >50         10         3         4           Copper         ppm         ASTM D5185m         >50         10         3         4           Tin         ppm         ASTM D5185m         >50         10         3         4           Tin         ppm         ASTM D5185m         0         <1         0         0           Cadmium         ppm         ASTM D5185m         0         <1         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Bariu	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Iron	ppm	ASTM D5185m	>50	7	2	4
Titanium   ppm   ASTM D5185m   0	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver	Nickel	ppm	ASTM D5185m		0	0	0
Aluminum         ppm         ASTM D5185m         >25         <1         <1         <1           Lead         ppm         ASTM D5185m         >25         <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >25         <1         0         <1           Copper         ppm         ASTM D5185m         >50         10         3         4           Tin         ppm         ASTM D5185m         >15         3         <1	Silver	ppm	ASTM D5185m		0	0	<1
Copper         ppm         ASTM D5185m         >50         10         3         4           Tin         ppm         ASTM D5185m         >15         3         <1	Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Tin	Lead	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium         ppm         ASTM D5185m         0         <1         0           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         3           Manganese         ppm         ASTM D5185m         0         4         <1         <1           Magnesium         ppm         ASTM D5185m         0         4         <1            Calcium         ppm         ASTM D5185m         0         7         10            Zinc         ppm         ASTM D5185m         0         7         10            Zinc         ppm         ASTM D5185m         0         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Sil	Copper	ppm	ASTM D5185m	>50	10	3	4
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         3           Manganese         ppm         ASTM D5185m         0         4         <1            Magnesium         ppm         ASTM D5185m         0         4         <1            Calcium         ppm         ASTM D5185m         0         7         10            Zinc         ppm         ASTM D5185m         0         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         <1         0         0         0 <tr< td=""><td>Tin</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;15</td><th>3</th><td>&lt;1</td><td>1</td></tr<>	Tin	ppm	ASTM D5185m	>15	3	<1	1
ADDITIVES	Vanadium	ppm	ASTM D5185m		0	<1	0
Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         3           Manganese         ppm         ASTM D5185m         0         4         <1           Magnesium         ppm         ASTM D5185m         0         0         4         <1           Calcium         ppm         ASTM D5185m         0         0         4         <1           Phosphorus         ppm         ASTM D5185m         0         7         10           Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         0           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1         <1           Sodium         ppm         ASTM D5185m         >25         <1         <1         <1         <1         <1         <1         <1         <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         -1         -1           Magnesium         ppm         ASTM D5185m         0         4         -1           Calcium         ppm         ASTM D5185m         0         0         4           Phosphorus         ppm         ASTM D5185m         0         0         0           Zinc         ppm         ASTM D5185m         0         0         0           Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >25         <1         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         0         4         1         <1           Water         %         ASTM D5185m         >20         0         4         1         <1         <1         <1         <1         <1         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         3           Manganese         ppm         ASTM D5185m         0         <1         <1           Magnesium         ppm         ASTM D5185m         0         4         <1           Calcium         ppm         ASTM D5185m         0         0         4           Phosphorus         ppm         ASTM D5185m         0         0         0         0           Zinc         ppm         ASTM D5185m         0         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         0         0           Sulfur         ppm         ASTM D5185m         >25         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1<	Boron	ppm	ASTM D5185m		0	0	0
Manganese         ppm         ASTM D5185m         0         <1         <1           Magnesium         ppm         ASTM D5185m         0         4         <1	Barium	ppm	ASTM D5185m		0	0	0
Magnesium         ppm         ASTM D5185m         0         4         <1           Calcium         ppm         ASTM D5185m         0         0         4           Phosphorus         ppm         ASTM D5185m         0         0         0           Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Molybdenum	ppm	ASTM D5185m		0	0	3
Calcium         ppm         ASTM D5185m         0         4           Phosphorus         ppm         ASTM D5185m         0         7         10           Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Manganese	ppm	ASTM D5185m		0	<1	<1
Phosphorus         ppm         ASTM D5185m         0         7         10           Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         0         4         1            Potassium         ppm         ASTM D5185m         >20         0         4         1           Water         %         ASTM D6304         >0.1         0.003         0.00         0.003           Particles >4µm         ASTM D7647         >10000         72070          △	Magnesium	ppm	ASTM D5185m		0	4	<1
Zinc         ppm         ASTM D5185m         0         0         0           Sulfur         ppm         ASTM D5185m         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1         <1         <1           Sodium         ppm         ASTM D5185m         >20         0         4         1           Potassium         ppm         ASTM D5185m         >20         0         4         1           Water         %         ASTM D6304         >0.1         0.003         0.00         0.003           ppm Water         ppm         ASTM D6304         >1000         26         0.00         36.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         72070          29532           Particles >6µm         ASTM D7647         >320         38          58           Particles >21µm         ASTM D7647         >80         5          13 </td <td>Calcium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>4</td>	Calcium	ppm	ASTM D5185m		0	0	4
Sulfur         ppm         ASTM D5185m         0         0         39           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Phosphorus	ppm	ASTM D5185m		0	7	10
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         <1	Zinc	ppm	ASTM D5185m		0	0	0
Silicon ppm ASTM D5185m >25 <1 <1 <1 <0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sulfur	ppm	ASTM D5185m		0	0	39
Sodium         ppm         ASTM D5185m         <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         0         4         1           Water         %         ASTM D6304         >0.1         0.003         0.00         0.003           ppm Water         ppm         ASTM D6304         >1000         26         0.00         36.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4μm         ASTM D7647         >10000         ↑ 72070          ♠ 29532           Particles >6μm         ASTM D7647         >2500         ♠ 4761          2287           Particles >14μm         ASTM D7647         >320         38          58           Particles >21μm         ASTM D7647         >80         5          13           Particles >38μm         ASTM D7647         >4         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         23/19/12          ♠ 22/18/13           FLUID DEGRADATION         method         Iimit/base         current         history1 </td <td>Silicon</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;25</td> <th>&lt;1</th> <td>&lt;1</td> <td>&lt;1</td>	Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Water         %         ASTM D6304         >0.1         0.003         0.00         0.003           ppm Water         ppm         ASTM D6304         >1000         26         0.00         36.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4μm         ASTM D7647         >10000         72070          Δ         29532           Particles >6μm         ASTM D7647         >2500         4761          2287           Particles >14μm         ASTM D7647         >320         38          58           Particles >21μm         ASTM D7647         >80         5          13           Particles >38μm         ASTM D7647         >20         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         23/19/12          Δ         22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Sodium	ppm	ASTM D5185m		<1	0	0
ppm Water         ppm ASTM D6304         >1000         26         0.00         36.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4μm         ASTM D7647         >10000         72070          Δ 29532           Particles >6μm         ASTM D7647         >2500         4761          2287           Particles >14μm         ASTM D7647         >320         38          58           Particles >21μm         ASTM D7647         >80         5          13           Particles >38μm         ASTM D7647         >20         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         23/19/12          Δ 22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Potassium	ppm	ASTM D5185m	>20	0	4	1
FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4μm         ASTM D7647         >10000         ▲ 72070          ▲ 29532           Particles >6μm         ASTM D7647         >2500         ♠ 4761          2287           Particles >14μm         ASTM D7647         >320         38          58           Particles >21μm         ASTM D7647         >80         5          13           Particles >38μm         ASTM D7647         >20         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         ▲ 23/19/12          ▲ 22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Water	%	ASTM D6304	>0.1	0.003	0.00	0.003
Particles >4μm       ASTM D7647       >10000       ▲ 72070        ▲ 29532         Particles >6μm       ASTM D7647       >2500       ♠ 4761        2287         Particles >14μm       ASTM D7647       >320       38        58         Particles >21μm       ASTM D7647       >80       5        13         Particles >38μm       ASTM D7647       >20       0        0         Particles >71μm       ASTM D7647       >4       0        0         Oil Cleanliness       ISO 4406 (c)       >20/18/15       23/19/12        Δ 22/18/13         FLUID DEGRADATION       method       limit/base       current       history1       history2	ppm Water	ppm	ASTM D6304	>1000	26	0.00	36.6
Particles >6μm       ASTM D7647       >2500       4761        2287         Particles >14μm       ASTM D7647       >320       38        58         Particles >21μm       ASTM D7647       >80       5        13         Particles >38μm       ASTM D7647       >20       0        0         Particles >71μm       ASTM D7647       >4       0        0         Oil Cleanliness       ISO 4406 (c)       >20/18/15       23/19/12        Δ       22/18/13         FLUID DEGRADATION       method       limit/base       current       history1       history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm       ASTM D7647       >320       38        58         Particles >21μm       ASTM D7647       >80       5        13         Particles >38μm       ASTM D7647       >20       0        0         Particles >71μm       ASTM D7647       >4       0        0         Oil Cleanliness       ISO 4406 (c)       >20/18/15       23/19/12        Δ       22/18/13         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >4µm		ASTM D7647	>10000	<b>^</b> 72070		△ 29532
Particles >21μm         ASTM D7647         >80         5          13           Particles >38μm         ASTM D7647         >20         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         23/19/12          Δ         22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >6µm		ASTM D7647	>2500	<b>4761</b>		2287
Particles >38μm         ASTM D7647         >20         0          0           Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         23/19/12          Δ         22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm		ASTM D7647	>320	38		58
Particles >71μm         ASTM D7647         >4         0          0           Oil Cleanliness         ISO 4406 (c)         >20/18/15         ▲ 23/19/12          ▲ 22/18/13           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >21µm		ASTM D7647	>80	5		13
Oil Cleanliness ISO 4406 (c) >20/18/15  23/19/12 22/18/13  FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20	0		0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0		0
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 23/19/12		<b>22/18/13</b>
Acid Number (AN)         mg KOH/g         ASTM D8045         0.028         0.015         0.02	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.028	0.015	0.02



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: 06141369 Unique Number : 10966177 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0851598 Received : 08 Apr 2024 **Tested** : 09 Apr 2024

Diagnosed : 10 Apr 2024 - Angela Borella

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)

**SCHRADER MECHANICAL** 

1015 BLACK DIAMOND WAY LODI PROVINCE, CA US 95240

Contact: Schrader Mechanical amanda.h@smiwest.com

T: (209)369-6888 F: x:

Report Id: SCHLOD [WUSCAR] 06141369 (Generated: 04/12/2024 11:36:28) Rev: 1

Contact/Location: Schrader Mechanical - SCHLOD