FolderID: 101958 FormID: 18100070



Submersible Pump Repair Report CoorsTek Inc.

3315 Boone Road Benton, AR 72015

Serial Number:

Submersible Pump Repair Report

LR MOTORSHOP Location:

G00117651 Description: 3HP MYERS SUBMERSIBLE PUMP

3600RPM

Make:	MYERS
HP:	3 (HP)
Model:	WG30-43
Serial:	G00117651
V:	460 (V)
A:	8.9 (A)
RPM:	3450 (RPM)
Hz:	60 (Hz)
Phase:	3
Impeller Diameter:	3.75 (in)

Priorities Found: 6 - High

32 - Good

General 0 101958 1. Job Number P17

Report Date





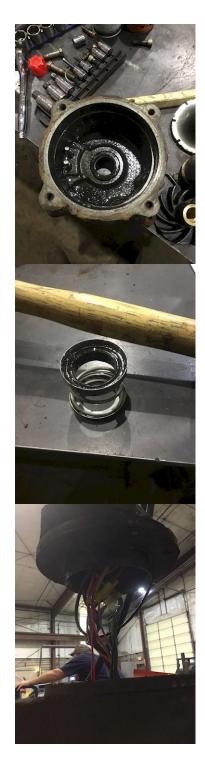












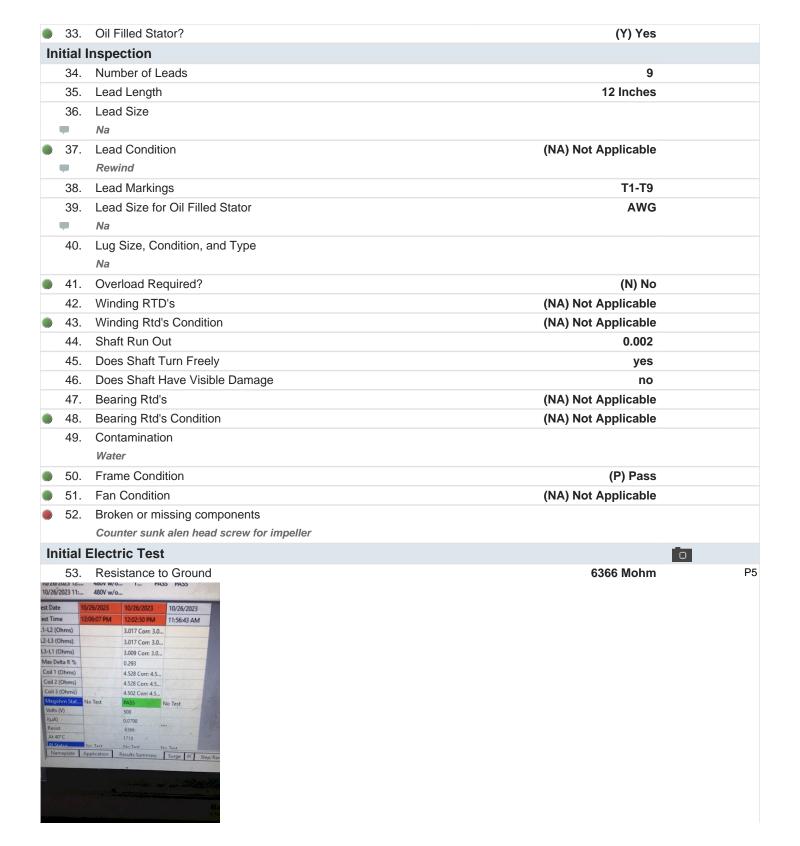




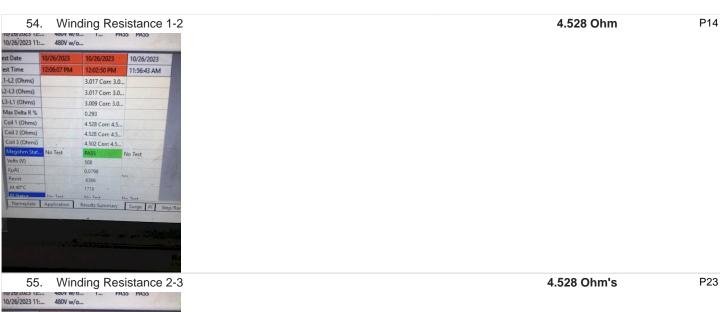




	3.	Customer	CoorsTec	
In	itial I	Pump Inspection		
	4.	Power Cord Wire Size	10 AWG	
	5.	Power Cord # of Conductors	4	
	6.	Power Cord Length	36 ft	
	7.	Power Cord Condtion	(F) Fail	
	8.	Sensor Cord Wire Size	16 AWG	
	9.	Sensor Cord # of Conductors	5	
	10.	Sensor Cord Length	38 ft	
	11.	Sensor Cord Condition	(F) Fail	
	12.	Sensor Cord for Thermal Protection?	(NA) Not Applicable	
	13.	Sensor Cord for Water Protection	(NA) Not Applicable	
	14.	Bowl Condition	(P) Pass	
	15.	Impeller Condition	(P) Pass	
	16.	Number of Wear Rings	0	
	17.	Wear Ring Condition	(N) NA	
	18.	Wear Ring Size	in	
	-	Na		
	19.	Wear Ring Clearance to Impeller	in	
	•	Na		
	20.	Wear Ring Material		
	•	Na		
	21.	Seal Surfaces Condition	(P) Pass	
	22.	Seal Type		
			Mechanical	
	23.	Number of Seals	2	
	24.	Seal Material on Rotary Face	carbon and sic	
	25.	Seal Material on Stationary Seat	sic and ceramic	
	26.	Elastic Component Material	Buna	
	27.	Seal OD	48 mm	
	28.	Seal ID	32 in	
	29.	Seal Sleeve Material	na	
	30.	Seal Plate Condition	(N) NA	
	31.	Water Sensor in Seal Cavity?	(NA) Not Applicable	
	32.	Oil Filled Seal Cavity?	(Y) Yes	



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.





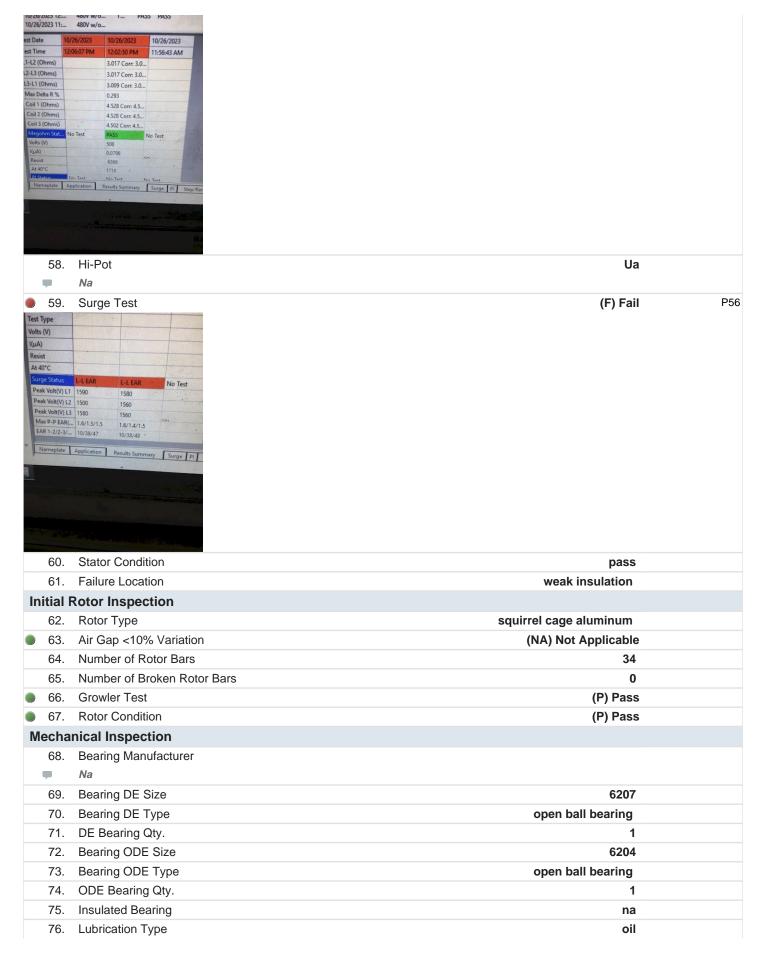
56. Winding Resistance 1-3 4.502 Ohm's P33



57. Resistive Imbalance 0.293 % P43

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

Printed on 1/18/2024 Powered by INSPECTALL Page 8 of 14



	77.	Grease Condition		(NA) Not Applicable	
	78.	Bearing Retainers		(NA) Not Applicable	
	79.	Shaft Grounding Device		(NA) Not Applicable	
	80.	DE Seal		(Y) Yes	
	-	Bad			
	81.	DE Seal Type/Size		mechanical	
	-	32-48-11			
	82.	ODE Seal		(Y) Yes	
	83.	ODE Seal Type/Size		mechanical	
	-	32-48-11			
R	oot C	Cause of Failure			
		Component Failure		bearings, o'rings, seals, and lead	
	85.	Cause of Failure			
		Wear and cord is crimped and cut			
	86.	Comments			
		Na			
	87.	Service Technician		Cw	
1	(May	7		
M	achir	ne Fit Inspection Report			
	88.	Shaft Run Out		(P) Pass	
	89.	Initial Shaft Run Out			
	00			0.002 "	
	90.	Final Shaft Run Out		0.002 "	
	90.	Final Shaft Run Out DE Bearing Shaft Fit			
				II .	
	91.	DE Bearing Shaft Fit	Measure 2	II .	
	91.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size	Measure 2 1.3781	(P) Pass	
	91.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1		(P) Pass Measure 3	
	91.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378	1.3781	(P) Pass Measure 3 1.378	
	91.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size		(P) Pass Measure 3	
	91.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1	1.3781	(P) Pass Measure 3 1.378 Measure 3	
	91. 92. 93.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit	1.3781 Measure 2	(P) Pass Measure 3 1.378	
•	91. 92. 93.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size	1.3781 Measure 2	(P) Pass Measure 3 1.378 Measure 3 (P) Pass	
	91. 92. 93.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1	1.3781 Measure 2 Measure 2	(P) Pass Measure 3 1.378 Measure 3 (P) Pass	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass	
•	91. 92. 93.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1 DE Air Seal Shaft Fit	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1 DE Air Seal Shaft Fit DE Air Seal Shaft Size	1.3781 Measure 2 Measure 2 0.7874 Measure 2	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1 DE Air Seal Shaft Fit	1.3781 Measure 2 Measure 2 0.7874	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1 DE Air Seal Shaft Fit DE Air Seal Shaft Size	1.3781 Measure 2 Measure 2 0.7874 Measure 2	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	
•	91. 92. 93. 94. 95.	DE Bearing Shaft Fit DE Initial Shaft Bearing Fit Size Measure 1 1.378 DE Final Shaft Bearing Fit Size Measure 1 ODE Bearing Shaft Fit ODE Initial Shaft Bearing Fit Size Measure 1 0.7874 ODE Final Shaft Bearing Fit Size Measure 1 DE Air Seal Shaft Fit DE Air Seal Shaft Size	1.3781 Measure 2 Measure 2 0.7874 Measure 2	(P) Pass Measure 3 1.378 Measure 3 (P) Pass Measure 3 0.7875	

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

100	ODE Air Seal Shaft Size		
100.		Final	
	Initial	Final	
_			
•	Na		
1 01.			(P) Pass
102.	DE Initial Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
	2.8353	2.8354	2.8353
103.	DE Final Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
104.	DE Endbell Fit Insulated		(NA) Not Applicable
105.	DE Endbell Air Seal Fit		(NA) Not Applicable
106.	DE Endbell Air Seal Fit Size		
	Initial	Final	
-	Na		
	ODE Endbell Fit		(P) Pass
_	ODE Initial Endbell Fit Size		(1)1 000
100.	Measure 1	Measure 2	Measure 3
	1.8511	1.851	1.851
100		1.031	1.031
109.	ODE Final Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
110	ODE Endhall Eit Inculated		(NA) Not Applicable
	ODE Endbell Air Seal Fit		(NA) Not Applicable
111.	ODE Endbell Air Seal Fit		(NA) Not Applicable (NA) Not Applicable
111.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size	Circl.	
111.	ODE Endbell Air Seal Fit	Final	
111.112.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial	Final	
111.112.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na	Final	(NA) Not Applicable
111.112.113.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness	Final	(NA) Not Applicable (P) Pass
111.112.113.114.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition	Final	(NA) Not Applicable (P) Pass (P) Pass
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition	Final	(NA) Not Applicable (P) Pass (P) Pass
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111.112.113.114.115.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. Balance 117. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician cing Report Balance Type	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
111. 112. 113. 114. 115. 116. Balance 117. 118.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician Cing Report Balance Type Balance Operating Speed	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. Balance 117. 118. 119. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician cing Report Balance Type Balance Operating Speed Start Left End	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. Balance 117. 118. 119. 120. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician cing Report Balance Type Balance Operating Speed Start Left End Start Right End	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
 111. 112. 113. 114. 115. 116. Balance 117. 118. 119. 120. 121. 	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician Cing Report Balance Type Balance Operating Speed Start Left End Start Right End Balancing Specification	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable
● 111. 112. ■ 113. ■ 114. ■ 115. 116. Balance 117. 118. 119. 120. 121. 122.	ODE Endbell Air Seal Fit ODE Endbell Air Seal Fit Size Initial Na Foot Flatness Foot Condition Flange Condition Service Technician cing Report Balance Type Balance Operating Speed Start Left End Start Right End	Final	(NA) Not Applicable (P) Pass (P) Pass (NA) Not Applicable

124. Service Technician

Assembly and Final Test



P29

- 125. Rotor and Impeller Balanced
- 126. Stator Housing Refilled with Oil (if required)

127. Stator Pressure Test (P) Pass





128.	Seal	Cavity	Pressure	Test	
------	------	--------	----------	------	--

129. Time Under Pressure 15 min

130. Overload Continuity

131. Water Sensor Open?

132. Meggar Testing Reading

133. Surge Test

134. Hi-Pot

135. Winding Resistance

1-2 2-3 3-1



137. Te	est Run	Voltage
---------	---------	---------

Phase A Phase B Phase C

138. Test Run Current

Phase A Phase B Phase C

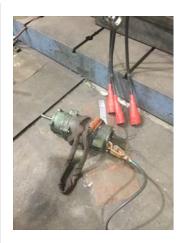
139.	DE Vibration Reading				
	Horizontal	Vertical	Axial		
140.	ODE Vibration Reading				
	Horizontal	Vertical	Axial		
141.	Ambient Temp at start of Test F	Run			
142.	Temp at 5 minutes				
143.	Temp at 10 minutes				
144.	Temp at 15 minutes				
145.	Temp at 20 minutes				
146.	Temp at 25 minutes				
147.	Temp at 30 minutes				
148.	Temp at 35 minutes				
149.	Temp at 40 minutes				
150.	Temp at 45 minutes				
151.	Temp at 50 minutes				
152.	Temp at 55 minutes				
153.	Temp at 60 minutes				
154 .	Motor Paint			(P) Pass	P141













Тор



155. Service Technician



Bottom





Terrence. Holland