

LR Motor Shop Repairs

Job Number 103322

Prepared for Tyson Foods (10914)

1238 Market Street Clarksville AR 72830

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Submersible Pump Repair Report - MOTOR SHOP

Submersible Pump Repair Report: WS5012D4

1.0





Submersible Pump Repair Report Tyson Foods (10914)

1238 Market Street Clarksville, AR 72830

FolderID: 103322 FormID: 21219073

MOTOR SHOP LR Location: Serial Number: WS5012D4 Description:5HP GOULDS PUMP

Make:	GOULDS
HP:	5 (HP)
Model:	E2339851
Serial:	CS5012D4
V:	230 (V)
A:	26.5 (A)
RPM:	1725 (RPM)
Hz:	60 (Hz)
Phase:	3

Priorities Found: **2 - High**

14 - Good

General

1. Job Number









































2.	Report Date	08/08/2024
3.	Customer	Tyson Foods
Initial	Pump Inspection	
4.	Power Cord Wire Size	10 AWG
5.	Power Cord # of Conductors	3
6.	Power Cord Length	25 ft
7.	Power Cord Condtion	(F) Fail
8.	Sensor Cord Wire Size	AWG
9.	Sensor Cord # of Conductors	
10.	Sensor Cord Length	ft
11.	Sensor Cord Condition	(N) NA
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	(F) Fail
-	Recommend new	
16.	Number of Wear Rings	
17.	Wear Ring Condition	(N) NA
18.	Wear Ring Size	in
19.	Wear Ring Clearance to Impeller	in
20.	Wear Ring Material	
21.	Seal Surfaces Condition	(P) Pass

22.	Seal Type	Mechanical
-	X2	
23.	Number of Seals	2
24.	Seal Material on Rotary Face	
-	Sic sic and ceramic	
25.	Seal Material on Stationary Seat	
-	Carbon	
26.	Elastic Component Material	Viton
27.	Seal OD	in
-	1-3/4	
28.	Seal ID	in
-	1-1/8	
29.	Seal Sleeve Material	
30.	Seal Plate Condition	
31.	Water Sensor in Seal Cavity?	
32.	Oil Filled Seal Cavity?	
33.	Oil Filled Stator?	(Y) Yes
Initial	Inspection	
	Number of Leads	2
35.	Lead Length	8 Inches
36.	Lead Size	
37.	Lead Condition	(P) Pass
38.	Lead Markings	
39.	Lead Size for Oil Filled Stator	AWG
40.	Lug Size, Condition, and Type	
41.	Overload Required?	(NA) Not Applicable
42.	Winding RTD's	(NA) Not Applicable
43.	Winding Rtd's Condition	(NA) Not Applicable
44.	Shaft Run Out	
45.	Does Shaft Turn Freely	
-	Yes	
46.	Does Shaft Have Visible Damage	
47.	Bearing Rtd's	(NA) Not Applicable
48.	Bearing Rtd's Condition	(NA) Not Applicable
49.	Contamination	
50.	Frame Condition	(P) Pass
51.	Fan Condition	(NA) Not Applicable
52.	Broken or missing components	
Initial	Electric Test	
53.	Resistance to Ground	Mohm
54.	Winding Resistance 1-2	Ohm
55.	Winding Resistance 2-3	Ohm's
56.	Winding Resistance 1-3	Ohm's
57.	Resistive Imbalance	%

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59	Surge Test	
00.	Pass	
60.	Stator Condition	
	Failure Location	bearings
	Rotor Inspection	3
	Rotor Type	aluminum squirrel cage
	Air Gap <10% Variation	(NA) Not Applicable
64.	·	, ,
65.	Number of Broken Rotor Bars	
66.	Growler Test	(P) Pass
6 7.	Rotor Condition	(P) Pass
Mecha	anical Inspection	· ·
	Bearing Manufacturer	fag
	Bearing DE Size	6206
	Bearing DE Type	ball bearing
71.	DE Bearing Qty.	1
72.	Bearing ODE Size	6204
73.	Bearing ODE Type	ball bearing
74.	ODE Bearing Qty.	1
75.	Insulated Bearing	
76.	Lubrication Type	oil
77.	Grease Condition	(NA) Not Applicable
7 8.	Bearing Retainers	(Y) Yes
-	Snap ring	
79.		
8 0.		(Y) Yes
81.	71	
82.	ODE Seal	
	ODE Seal Type/Size	
	Cause of Failure	
	Component Failure	bearings and power cord
85.	Cause of Failure	
_	Wear and oil collecting in cord	
86.	Comments	
	Recommend new impeller and needs new cord and new seals	
87.	Service Technician	Cw
2	Min	
-	Co sign: Terrance holland	
	ine Fit Inspection Report	
88.		
89.		
90.	Final Shaft Run Out	

91. DE Bearing Shaft Fit

92.	DE Initial Shaft Bearing Fit Size		
	Measure 1	Measure 2	Measure 3
93.	DE Final Shaft Bearing Fit Size		
	Measure 1	Measure 2	Measure 3
	ODE Bearing Shaft Fit		
95.	ODE Initial Shaft Bearing Fit Size		
	Measure 1	Measure 2	Measure 3
96	ODE Final Shaft Bearing Fit Size		
00.	Measure 1	Measure 2	Measure 3
	Weddare 1	Modela 2	Widdou'i O
97.	DE Air Seal Shaft Fit		
98.	DE Air Seal Shaft Size		
	Initial	Final	
_			
	ODE Air Seal Shaft Fit		
100.	ODE Air Seal Shaft Size	E	
	Initial	Final	
101.	DE Endbell Fit		
	DE Initial Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
103.	DE Final Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
404	DE English Etheroleted		
	DE Endbell Fit Insulated DE Endbell Air Seal Fit		
	DE Endbell Air Seal Fit Size		
100.	Initial	Final	
	Initial	Tillai	
107.	ODE Endbell Fit		
108.	ODE Initial Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
109.	ODE Final Endbell Fit Size		
	Measure 1	Measure 2	Measure 3
110	ODE Endbell Fit Insulated		
	ODE Endbell Air Seal Fit		
	ODE Endbell Air Seal Fit Size		
	Initial	Final	
	Foot Flatness		
	Foot Condition		
	Flange Condition		
116.	Service Technician		

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Balancing Report 117. Balance Type	
118. Balance Operating Speed	
119. Start Left End	
120. Start Right End	
121. Balancing Specification	
122. Finish Left End	
123. Finish Right End	
124. Service Technician	
Assembly and Final Test	
125. Rotor and Impeller Balanced	
126. Stator Housing Refilled with Oil (if required)	
127. Stator Pressure Test	
128. Seal Cavity Pressure Test	
129. Time Under Pressure	
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	
136. Test Run	
137. Test Run Voltage	
Phase A Phase B Phase	se C
138. Test Run Current	
Phase A Phase B Phase	se C
139. DE Vibration Reading	
Horizontal Vertical Axial	
140. ODE Vibration Reading	
Horizontal Vertical Axial	
Tionzontal Ventical Axial	
141. Ambient Temp at start of Test 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	
155. Service Technician	



STANDARD TERMS AND CONDITIONS FOR PURCHASE OF GOOD AND/OR SERVICES

- 1. APPLICABILITY. The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
- 2. PRICE. All quoted prices shall remain firm and binding for a period of thirty (30) days from the date of quotation or for the period specifically stated in the quotation. The price for any and all goods and/or services ordered or approved by Buyer after thirty (30) days from the date of any quotation are subject to any increase in price that may occur after the expiration of thirty (30) days from the issuance of the quotation and the date the Buyer releases any shipment.
- 3. SCOPE OF GOODS AND/OR SERVICES. The goods and/or services provided by Hi-Speed pursuant to any quotation shall be limited exclusively to those goods and/or services expressly identified therein. Hi-Speed does not assume any responsibility and/or liability for the failure to provide any other goods and/or services not identified in any quotation. Modifications, additions or deletions to or from the scope referenced in any quotation shall only bee effective if evidenced in writing and signed by Hi-Speed. The sale of any of all goods and/or services affected by such modification, addition or deletion shall be subject to these same Standard Terms and Conditions whether or not referenced therein.
- 4. <u>BILLING AND PAYMENT TERMS.</u> Hi-Speed shall invoice Buyer for all goods and/or services as same are rendered at the address listed on the quotation. Payments for all goods and/or services shall be due thirty (30) days from the date of the current invoice or as otherwise set forth in the quotation. Late payments are subject to a late fee of 5% of the total invoice amount. Recurring late payments may lead to a deposit requirement on future services or sale of goods. Buyer shall be liable to Hi-Speed for any and all fees and expenses incurred by Hi-Speed to collect any invoices or to enforce these Standard Terms and Conditions, including but not limited to, attorney's fees.
- 5. <u>DELIVERY OF GOODS AND/OR SERVICES.</u> Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
- **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buver agree that time is of the essence for the purchase order and that Buyer shall fully cooperate with Hi-Speed in order to allow Hi-Speed full access to prosecute its work diligently and in an orderly manner. Buyer shall assist Hi-Speed in every way possible to avoid delaying, disrupting or interfering with the progress of Hi-Speed's work at the project site. In the event Hi-Speed's work is delayed, hindered, suspended, disrupted, re-sequenced or interfered with or rendered less efficient or more costly or adversely affected in any way as a result of acts or omissions of Buyer or other contractors or employees of Buyer or by any other reason beyond Hi-Speed's control and without the fault of Hi-Speed, then, in such event, Buyer shall be liable to Hi-Speed for any damages, additional costs, expenses, labor, materials, man hours, acceleration costs, overtime, additional jobsite overhead, extended home office overhead, and any and all other direct and indirect expenses of whatsoever nature or kind, caused in whole or in part, as a result of any of the above-referenced occurrences. Hi-Speed's project records will be the basis for computing the additional costs and damages of Hi-Speed's labor, materials, expenses and overhead related to such changes. BUYER WARRANTS THAT THE SITE FOR DELIVERY OR INSTALLATION OF ANY GOODS AND/OR FOR THE PERFORMANCE OF ANY SERVICES SHALL BE READY AND ADEQUATE FOR HI-SPEED'S DELIVERY OF GOODS AND/OR PERFORMANCE OF SERVICES AND THAT HI-SPEED SHALL HAVE FULL ACCESS THERETO, FREE OF ALL OBSTRUCTIONS. BUYER SHALL ASSUME ALL EXTRA COSTS ASSOCIATED WITH HI-SPEED'S INABILITY TO INSTALL ANY GOODS OR PERFORM ANY SERVICES AS A RESULT OF BUYER'S FAILURE TO COMPLY WITH THIS PROVISION. HI-SPEED MAY NOT INSPECT THE SITE PRIOR TO DELIVERY AND/OR INSTALLATION OF GOODS AND/OR PERFORMANCE OF SERVICES AND MAKES NO WARRANTY AS TO THE SUFFICIENCY OF THE SITE FOR THE DELIVERY AND/OR INSTALLATION OF GOODS AND/OR THE PERFORMANCE OF SERVICES AT SUCH SITE.
- 7. INSPECTION/ACCEPTANCE. All goods and services ordered pursuant to any quotation shall be subject to inspection by Buyer after delivery or performance to determine conformity with the quotation and/or purchase order and Hi-Speed's advertised or published specifications. Buyer shall have a period of thirty (30) days from shipment of goods at the delivery destination specified in the quotation within which to inspect the goods for conformity with the quotation, order and/or Hi-Speed's advertised and published specifications and to provide Hi-Speed with written notice of any discrepancy or rejection. Buyer shall have a period of thirty (30) days following completion of any services within which to inspect the services for conformity with the quotation, purchase order and/or Hi-Speed's advertised and published specifications and to provide Hi-Speed with written notice of any discrepancy or rejection. If the goods delivered or services performed do not so conform, upon delivery of notice to Hi-Speed of any discrepancy, nonconformance or rejection, Hi-Speed shall have sixty (60) days to cure the alleged discrepancy and/or nonconformance. If Hi-Speed fails to cure in this time period, Buyer shall have the right to reject such goods or services. After the cure period, goods that have been delivered and rejected, in whole or in part, shall be returned to Hi-Speed. Buyer shall notify Hi-Speed and arrange for the return of the goods as required. Should such non-conforming services be rejected Hi-Speed shall, at its sole cost, re-perform the non-conforming services. Inspection or failure to inspect on any occasion shall not affect Buyer's rights under the warranty provisions herein.
- 8. <u>WARRANTIES.</u> Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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- 10. <u>SEVERABILITY.</u> The partial or complete invalidity of any provision of these Standard Terms and Conditions shall not affect the enforceability of the remainder of these Standard Terms and Conditions. If any provision is found to be invalid or unenforceable, that portion shall be modified to make it enforceable or shall be stricken and the remainder of these Standard Terms and Conditions shall enforced.
- 11. **GOVERNING LAW AND JURISDICTION.** Any controversy arising out of any quotation, the purchase order, the goods sold or delivered, repair or replacement thereof, or any services provided pursuant to any quotation or any purchase order, or these Standard Terms and Conditions shall be governed by the laws of the state of Tennessee without regard to any choice of law provisions and any cause of action related in any manner thereto shall be brought only in the state or federal courts of Shelby County, Tennessee.
- 12. ABANDONED EQUIPMENT. Hi-Speed requires that Buyer promptly pick up or provide shipment instructions for Buyer equipment or other Buyer property in Hi-Speed's possession. If equipment or other Buyer property is left with Hi-Speed and not picked up within six (6) months after Hi-Speed's final action related to the applicable property (e.g. evaluation, teardown, estimate, completion of services), Hi-Speed will consider such property abandoned and may dispose of it in accordance with applicable law. Buyer agrees to hold Hi-Speed harmless for any damage or claim for such abandoned property and acknowledges that Hi-Speed may discard or recycle it at Hi-Speed's sole and absolute discretion. Specifically, Hi-Speed may sell Buyer's abandoned property at a private or public sale and retain the proceeds to offset Hi-Speed's storage, inspection and servicing costs. For the avoidance of doubt, Hi-Speed reserves its statutory and other lawful liens for unpaid charges related to abandoned property.
- 13. FORCE MAJEURE. Neither party shall be responsible for any delay or failure in performance of any party of the quotation, purchase order or these Standard Terms and Conditions to the extent that such delays or failures are caused by fire, flood, earth quake, explosion, war, embargo, government requirement, civil or military authority, acts of God, or any other circumstances beyond its reasonable control and not involving any fault or negligence on the party affected ("Condition"). If any such Condition occurs, the party delayed or unable to perform shall promptly give written notice to the other party and, if such Condition remains at the end of thirty (30) days, the party affected by the other party's delay and inability to perform may elect to (i) terminate such order or part thereof, or (ii) suspend the order for the duration of the Condition, if the Buyer is the suspending party, buy elsewhere comparable material to be sold under the order and apply to any commitment the purchase price of such purchase, and resume performance of the order once the Condition ceases, with an option in the affected party to extend the period of this order up to the length of the time the Condition endures.
- 14. <u>NONWAIVER.</u> No course of dealing or failure of either party to strictly enforce any term, right, or condition of these Standard Terms and Conditions will be construed as a waiver of such term, right or condition. Any waiver by Hi-Speed will only be in writing and will waive no succeeding breach of a term, right or condition.
- 15. **ASSIGNMENT.** The rights and obligations of the parties shall neither be assigned nor delegated without the prior written consent of the other party. However, any party may assign or delegate its respective rights and obligations, in whole or in part, (i) to any subsidiary, (ii) pursuant to other financing, merger or reorganization or (iii) pursuant to any sale or transfer of substantially all of the assets of the assigning party. These Standard Terms and Conditions shall bind the heirs, successors and assigns of the parties hereto.
- 16. NO INDIVIDUAL LIABILITY. Notwithstanding any other agreement to the contrary, the Buyer agrees that in no event will the Buyer hold and HI-Speed owner, director, officer or employee personally liable for unintentional tortious conduct or conduct that constitutes the breach of any contract between HI-Speed and the Buyer, even if the HI-Speed owner, director, officer or employee is or could be construed to be a party to such contract.