ITRC TOOL ENGINEERING REPORT LONG FORM			
ITRC TAG: 11336		DATE: 3-5-2016	
Customer Name: ABC FASTENING			
Address: 12345 MAIN STREET DETROIT, MI 41544			
Work Requested: Evaluation of CLECO DC tool		Instruction From: Jim Smithwycke Power Tool Manger 248-246-5214	
NATURE OF PROBLEM			
Problem Reported: Tool making grinding noise and producing erratic torques.			
Manufacturer: CLECO		Model 48ES1502ZA	Serial No. TG3249
Call Reported by: PRODUCT:	ION SUPERVISOR	Date: 3-1-2016	Time: 2 ND SHIFT
Cycles on Tool: 1,250,148	Cycles since Service	: 501,276 Las	st Service Date: 6-13-2014
SERVICE DETAILS			
Service Rendered : Tool received full tear down for evaluation and quoting. Quote was provided via email to Jim. Pictures of the bad idler gears were included in the quote.			
been serviced in over 500,00 Thankfully the 1 st and 2 nd sta	son for failure was a tool maint 0 cycles. The grease inside ha ge, ring gear were still okay. T The motor sun gear needs cha	d be burned completely up. These will not need changed	Status after Service: (Please highlight) Complete/ Incomplete/ Pending for spares/ Under Observation/ Working solution provided
Defects found on inspection: 3 rd stage idlers, handle sleeve, con sleeve, motor cover, lock nut, cover, half bearin, O-rings, motor pinion/sun gear. Recommendations From Failure Analysis: Tool needs to be part of a structured PM program. A few more thousand cycles and this would have become a catastrophic failure, with the repair cost of upwards of \$4,000.00.			
Events: (Date & Time)3-5	5-2016 Start of Service	· 1030 AM	nd of service: 1145 AM
PLEASE RATE THIS REPAIR BY TICKING AN OPTION			
FEEASE RATE THIS REPAIR BY HERITIGHT AN OF HON			
Extremely Satisfied	Satisfied	Dissatisfied	Annoyed
CUSTOMER FEEDBACK			
Remarks:			
Name :		Designation:	Phone/Fax:
Email:			
Signature:		Date:	Place:

Please fax your response to 440-953-8029.