






**CUSTOMER LMO REPAIR REPORT**  
**ACTUATING LINEAR CYLINDER**

<b>JOB No:</b>	<b>20053</b>	<b>DATE:</b>	<b>05-05-2020</b>
<b>INSPECTED BY:</b>	<b>Corey/ Mark</b>		
<b>DESCRIPTION:</b>	<b>CYLINDER ASSEMBLY,ACTUATING,LINEAR: HYDRAULIC:ATV LIFTING FRAME:REAR</b>		
<b>FAULTS ON CYLINDER AS NOTED BY BOYNE SMELTERS:</b>			
<b>REQUIRES OVERHAUL – LEAKING HEAD GLAND AT BARREL AND ROD</b>			

<b>Qty.</b>	<b>Part</b>	<b>Condition</b>	<b>Recommendations/Notations:</b>	<b>Photograph</b>
1	Piston Rod	Replace	Multiple deep dents on piston rod surface. Piston rod will be replaced with a new one made from induction hardened chrome bar.	

1	Head Cap	Reclaim	<p>General tidy up on threads required.</p> <p>Modification required for the head cap to take a bush instead of two narrow wear rings.</p>		
1	Barrel	Reclaim	<p>Mild damage on the bore which requires barrel to be re-honed.</p> <p>Threads need a tidy up.</p>		
1	Piston & Phasing Valves	Replace	<p>Severe wear and damage on piston body and phasing valve cavity.</p> <p>Piston and phasing valve will be replaced.</p>		
1	End Cap & Eye	Reclaim	<p>Needs rust treatment in the bearing housing diameter and tidying up around the retainer clip grooves</p>		

1	Rod Eye	Replace	The internal diameter is worn oversize giving the bearing movement. A new rod eye will be made.	
2	Bearings	Replace	Both bearings will be replaced	
2	Fittings	Reclaim	Bonded washers will be replaced with new ones	

1	Seals	Replace	All seals will be replaced.	
1	Paintwork	Repaint	All paint will be removed, rust will be treated. The cylinder will be painted Golden Yellow after Testing.	
1	Welds	Test.	All welds to be Magnetic Particle tested.	See previous images.

**Action Required:**

- Disassemble, Inspect and Report
- Paint stripping and rust treatment of all components, tidy up of listed items
- Modify head cap; manufacture rod bush to fit
- Replacement of piston rod and rod eye
- Replacement of piston and phasing valve
- Mag Particle Testing and Inspection of all welds
- Replacement of all Seals and Bearings
- Clean, assemble, test and paint