



Date \_\_\_\_\_

Distributor \_\_\_\_\_

Contact \_\_\_\_\_

Location \_\_\_\_\_

Phone \_\_\_\_\_

\*Pump Model # \_\_\_\_\_

\*Ser # \_\_\_\_\_

User \_\_\_\_\_

User Contact \_\_\_\_\_

Location \_\_\_\_\_

Phone \_\_\_\_\_

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**Operating Conditions**

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\*Type of fluid \_\_\_\_\_

\*Viscosity (thick / thin) \_\_\_\_\_

\*Discharge pressure \_\_\_\_\_

\*Suction conditions \_\_\_\_\_

Fluid temperature \_\_\_\_\_

\*Required flow rate \_\_\_\_\_

\*Type of supply (air / gas etc) \_\_\_\_\_

\*Actual flow rate \_\_\_\_\_

\*Supply pressure at the pump \_\_\_\_\_

\*Condition of Supply \_\_\_\_\_  
(wet , dry etc)

\*Cycles per Minute (one suction stroke plus one discharge stroke = one cycle) \_\_\_\_\_

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**Analysis**

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\*Description of problem \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*Description of seal condition \_\_\_\_\_

\*Description of plunger condition \_\_\_\_\_

\*Has pump been repaired before? \_\_\_\_\_ \*How long since repair? \_\_\_\_\_

\*Was pump repaired with the same type seal, plunger etc as original? \_\_\_\_\_

\*If not please give description of the components and why the change.  
\_\_\_\_\_  
\_\_\_\_\_

**\* Must fill in information in these fields**

See page 2 for further evaluation questions



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**Air Motor Assessment**

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Is the pump air motor cycling?      Yes \_\_\_\_\_      No \_\_\_\_\_

If not:

A) is air/gas blowing out exhaust port continuously?      Yes \_\_\_\_\_      No \_\_\_\_\_

B) is air/gas being exhausted at all?      Yes \_\_\_\_\_      No \_\_\_\_\_

C) is cycle erratic      Yes \_\_\_\_\_      No \_\_\_\_\_

D) is air gas escaping from around stroke adjuster?      Yes \_\_\_\_\_      No \_\_\_\_\_

E) is air gas escaping from around valve body seals?      Yes \_\_\_\_\_      No \_\_\_\_\_

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**PUMP END ASSESSMENT**

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Air motor cycles but pump does not move fluid or build pressure

Is there a pump setting / calibration / drum gauge in the system?      Yes \_\_\_\_\_      No \_\_\_\_\_

Is there a pressure gauge on the air/gas supply at the pump      Yes \_\_\_\_\_      No \_\_\_\_\_  
If yes, what is the pressure reading?      \_\_\_\_\_

Is there a pressure gauge on the discharge line of the pump?      Yes \_\_\_\_\_      No \_\_\_\_\_  
If yes what is the pressure reading?      \_\_\_\_\_

Does the pump lose flow when the system starts to pressurize?      Yes \_\_\_\_\_      No \_\_\_\_\_

Is the plunger moving up & down      Yes \_\_\_\_\_      No \_\_\_\_\_  
Observe plunger thru the breather port under the power head.

Is chemical appearing in the lube bottle?      Yes \_\_\_\_\_      No \_\_\_\_\_

Isolating the pump setting / calibration gauge / drum gauge) with the pump running:  
Does the fluid in the gauge fluctuate up & down?      Yes \_\_\_\_\_      No \_\_\_\_\_

Does the fluid in the gauge move?      Yes \_\_\_\_\_      No \_\_\_\_\_