



MUD PUMP FIELD INSPECTION REPORT

SCOPE OF WORK

Good, Fair, and Replace/Repair are used throughout the scopes to describe condition of components. The definition and action for these are as follows:

Good: Like new and no signs of appreciable wear. Fit for service as is.

Fair: Some wear apparent but part looks OK for continued use. Must be verified by supervisor or customer representative. If possible, photograph for file.

Replace/Repair: Component not for use as is. Must be replaced or repaired prior to going back into service. Must be verified by supervisor or customer representative. If possible, photograph for file.

CUSTOMER: GOLDMARK	RIG:	WO 1459	GGP 6173		
MODEL: PZ-9 PACKAGE S/N:					
INSPECTED BY: PETER TRAHAN & JIM MCPHERSON					
POWER END					
ANY OIL LEAKS EVIDENT? NO					
BULL GEAR CONDITION: GOOD PINION GEAR CONDITION: GOOD					
BULL GEAR RUNOUT: PINION SHAFT RUNOUT (CHECK IN SEVERAL PLACES)					
GEAR BACKLASH: (CHECK IN 4 PLACES) (1)X (2)X (3)X (4)X					
METHOD OF CHECKING BACKLASH?					
PINION SHAFT END PLAY:					
PINION SHAFT FLOATS PROPERLY? (Y/N) YES					
CRANKSHAFT END PLAY:					
BREATHER CONDITION? GOOD					
INTERMEDIATE RODS PROPERLY SHOULDERED? (Y/N) YES					
CROSSHEAD/ROD OILER SHIELDS IN PLACE? (Y/N) YES					
OILER THROUGHS IN PLACE & PROPERLY ADJUSTED? YES					
OIL CONDITION? (MUD, DIRTY, WATER, ETC.) GOOD					

INSIDE OF PUMP CLEAN? (RUST, MUD, WATER, SAND, ETC.) CLEAN					
MAGNETIC PLUGS CLEAN & IN PLACE? N/A					
OIL LINE CONDITION: GOOD					
CROSSHEAD OIL PORTS CLEAN? (Y/N) YES					
LUBE SYSTEM CONDITION? GOOD					
CROSSHEAD CLEARANCES:					
CROSSHEAD @ FLUID END LEFT_0.018 CENTER_0.018 RIGHT 0.018					
CROSSHEAD @ GEAR END LEFT 0.018 CENTER 0.018 RIGHT 0.018					
CROSSHEAD GUIDE CONDITION:					
(TOP)					
LEFT GOOD					
CENTER GOOD					
RIGHTGOOD					
(BOTTOM) LEFTGOOD					
CENTER GOOD					
RIGHT GOOD					
INTERMEDIATE ROD RUNOUTS:					
(VERTICAL) (HORIZONTAL)					
LEFT					
CENTER					
RIGHT					
INTERMEDIATE ROD CONDITION? (RODS CUT OR SCARRED?) FAIR					
ROD WIPER CONDITION? WIPERS CHANGED? GREASED?					
INTERMEDIATE ROD WIPERS CORRECTLY INSTALLED WITH					
SPACERS & RETAINERS (Y/N)					

<u>BEARING CLEARANCES & CONDITION:</u> (CHECK FOR BROKEN, RUSTED, PITTED AND FLAKING BEARINGS; Minimum & Maximum Bearing Clearances Allowed)

0.008" – 0.010" Okay to run until the next annual inspection 0.011" – 0.013" Replace at next scheduled maintenance 0.014" – 0.016" Replace at first break in drilling (e.g., logging, or completion of well) 0.017" & Above Replace Immediately

CROSSHEAD BEARING CLEARANCES:

LEFT	CENTER_	RIGHT	
CROSSHEAD	BEARING CONDITION	ON:	
LEFT	CENTER	RIGHT	
CONNECTING	G ROD BEARING CLE	EARANCES:	
LEFT_0.010	CENTER <u>0.010</u>	RIGHT 0.012	
CONNECTIN	G ROD BEARING CO	NDITION:	
LEFT_GOOD	CENTER GOOD	RIGHT_GOOD	
PINION BEAI	RING CLEARANCES:	LEFT_0.004_ RIGHT_0.003	
PINION BEAI	RING CONDITION: LE	FT_GOOD_RIGHT_GOOD	•
MAIN BEARI	NG CLEARANCES: L	EFT <u>0.007</u> RIGHT <u>0.007</u>	•
MAIN BEARI	NG CONDITION: LEF	T_GOOD_RIGHT_GOOD	-
COMMENTS:	<u> </u>		
- LINER WHA	AS CANS NEED REP		
- NEED PUM	P GUAGE		