

COMPANY Paramount CONTACT Archie PHONE # 403-844-9167

LOCATION (LSD) 14-12-116-06 W6M DATE STARTED FEB/1/2018 DATE COMPLETED FEB/19/18

MAKE E.I. MODEL FE550D4 SERIAL NUMBER 50F618

LEAD MECHANIC Travis Nysten Unit K-240

CRANKSHAFT

THROW DIAMETER - MAINS

#1 4.999 #2 4.999 #3 4.9995 #4 4.9995 #5 _____ #6 _____ #7 _____ #8 _____ #9 _____

COMMENTS _____

THROW DIAMETER - CONNECTING RODS

#1 4.9985 #2 4.998 #3 4.998 #4 4.998 #5 _____ #6 _____ #7 _____ #8 _____

COMMENTS : _____

MAIN BEARINGS AND THRUST REPLACED : NEW SPEC 0.003" - 0.006"

MAIN BEARING CLEARANCES BUMPED

#1: .003 #2: .003 #3: .003 #4: .003 #5: _____

#6: _____ #7: _____ #8: _____ #9: _____

END THRUST : .048 SPEC .045 - 0.055"

CONNECTING ROD BEARINGS REPLACED : NEW

CONROD BEARING CLEARANCES BUMPED

#1: 0.003" #2: 0.004" #3: 0.004" #4: 0.006"

#5: _____ #6: _____ #7: _____ #8: _____

CONROD BEARING SIDE CLEARANCE

#1: 0.014" #2: 0.011" #3: 0.012" #4: 0.013"

#5: _____ #6: _____ #7: _____ #8: _____

CONROD BUSHING TO PIN CLEARANCE : PINS POLISHED CSM machined

#1 _____ #2 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____

CROSSHEADS: SHOES REPLACED _____

CLEARANCES : #1 0.017 #2 0.015 #3 0.015 #4 0.014 #5 _____ #6 _____ #7 _____ #8 _____

CROSSHEAD BUSHING TO PIN CLEARANCE CSM Installed Pins

#1 _____ #2 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____

PISTON ROD DIAMETER CSM machined

#1 _____ #2 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____

PISTON ROD RUNOUT

#1 VERTICAL <u>0.001"</u>	HORIZONTAL <u>0</u>	#2 VERTICAL <u>0</u>	HORIZONTAL <u>0</u>
#3 VERTICAL <u>0.001"</u>	HORIZONTAL <u>0.001"</u>	#4 VERTICAL <u>0</u>	HORIZONTAL <u>0</u>
#5 VERTICAL _____	HORIZONTAL _____	#6 VERTICAL _____	HORIZONTAL _____
#7 VERTICAL _____	HORIZONTAL _____	#8 VERTICAL _____	HORIZONTAL _____

COMPRESSOR VALVES RECONDITIONED 1st sty SEAT GASKETS ☒ CAP ORINGS NEW CRUSH RINGS
COMMENTS Reused 2nd, 3rd and 4th sty valves, they had low run time since last O/A prior.

PRESSURE PACKINGS RECONDITIONED ☒ **WIPER PACKINGS RECONDITIONED** ☒
COMMENTS All packing and wipers reconditioned by CSM.

OIL COOLER

CLEANED: NEW COOLER PRESSURE TESTED: _____

OIL PUMP INSPECTED: NEW PUMP RECONDITIONED: _____
GEAR DRIVE BACKLASH: NA

THERMOSTAT REPLACED: NA

LUBRICATOR SYSTEM LUBE RATE DROPS PER MINUTE _____
PUMP REPLACED: CSM REBUILT FILTER REPLACED: NO NO FLOW REPLACED NO
DIVIDER BLOCK SEALED: NO CHECK VALVES REPLACED NO TESTED: ☒
DRIVE - REPLACE CHAIN AND IDLER NA OTHER: _____
LUBRICATOR BOX - INSPECTED _____ REBUILT: CSM REBUILT
COMMENTS CSM rebuilt lube box, system was purged and verified lube to all cylinders and packing.

BALANCE REPORT COMPLETED ☒
CYLINDER REPORT COMPLETED _____
COUPLING CONDITION GOOD **ALIGNMENT COMPLETED** ☒

ALL LUBRICATION POINTS CONFIRMED AFTER PACKING INSTALLATION PRIOR TO INSTALLING COMPRESSOR ROD AND PISTON ASSEMBLIES. ☒

ALL FRAME LUBRICATION POINTS CONFIRMED PRIOR TO INSTALLING TOP AND SIDE COVERS ☒

CYLINDER REPORT
BORES SIZES MEASURED AS FOUND

CYLINDER #1 VERTICAL INNER 6.503" MIDDLE 6.502" OUTER 6.503"
HORIZONTAL INNER 6.502" MIDDLE 6.501" OUTER 6.502"

FINISHED SIZE IF HONING REQUIRED Not Honed

PISTON DIAMETER _____ RIDER BAND DIAMETER _____ INSTALLED RING DIAMETER _____
RING END GAP IN CYLINDER _____
PISTON BUMP CLEARANCE: CE 0.042" HE 0.105"

CYLINDER #2 VERTICAL INNER 3.757" MIDDLE 3.757" OUTER 3.757"
HORIZONTAL INNER 3.759" MIDDLE 3.761" OUTER 3.760"

FINISHED SIZE IF HONING REQUIRED Not Honed

PISTON DIAMETER _____ RIDER BAND DIAMETER _____ INSTALLED RING DIAMETER _____
RING END GAP IN CYLINDER _____
PISTON BUMP CLEARANCE: CE 0.067" HE 0.129"

CYLINDER #3 VERTICAL INNER 9.763" MIDDLE 9.758" OUTER 9.761"
4
HORIZONTAL INNER 9.763" MIDDLE 9.762" OUTER 9.763"

FINISHED SIZE IF HONING REQUIRED 9.768"

PISTON DIAMETER _____ RIDER BAND DIAMETER _____ INSTALLED RING DIAMETER _____
RING END GAP IN CYLINDER _____
PISTON BUMP CLEARANCE: CE 0.073" HE 0.137"

CYLINDER #4 VERTICAL INNER ~~9.763"~~ MIDDLE _____ OUTER _____
3
HORIZONTAL INNER _____ MIDDLE _____ OUTER _____

FINISHED SIZE IF HONING REQUIRED _____

PISTON DIAMETER _____ RIDER BAND DIAMETER _____ INSTALLED RING DIAMETER _____
RING END GAP IN CYLINDER _____
PISTON BUMP CLEARANCE: CE 0.066" HE 0.117"

COMMENTS Cylinder was sent to CSM to get reconditioned.



Compressor Supplies & Machine Work Ltd.

Compressor Balance Information Sheet

CSM #: 601715 Customer: BIDE LL Location: ZAMA
 Make: GEMINI Model: FE-550 Unit #:

☐ Initial Balance
☒ Final Balance

Performed By: BA

Date: Jan.31/2018

COUPLING

Throw #2	Weights
Stage #: 4	X-Head:
Piston Dia: 3.75	XH Weights: 15.5
OEM#:	XH Nut: 2.9
	ConRod: 69.4
	Pin:
Rod Dia: 2	Caps: 52.3
OEM#:	PRR Assy: 52.2
	Total: 192.3

Weights	Throw #1
X-Head:	Stage #: 3
XH Weights:	
XH Nut: 2.9	Piston Dia: 6.5
ConRod: 69.1	OEM#:
Pin:	
Caps: 5.0	Rod Dia: 2
PRR Assy: 115.0	OEM#:
Total: 192.0	

0.3

Total Difference

Throw #4	Weights
Stage #: 2	X-Head:
Piston Dia: 9.75	XH Weights: 23.1
OEM#:	XH Nut: 2.9
	ConRod: 69.8
	Pin:
Rod Dia: 2	Caps: 51.9
OEM#:	PRR Assy: 149.9
	Total: 297.6

Weights	Throw #3
X-Head:	Stage #: 1
XH Weights:	
XH Nut: 2.9	Piston Dia: 16.5
ConRod: 69.7	OEM#:
Pin:	
Caps: 5.0	Rod Dia: 2
PRR Assy: 218.8	OEM#:
Total: 296.4	

1.2

Total Difference

Throw #6	Weights
Stage #:	X-Head:
Piston Dia:	XH Weights:
OEM#:	XH Nut:
	ConRod:
	Pin:
Rod Dia:	Caps:
OEM#:	PRR Assy:
	Total: 0.0

Weights	Throw #5
X-Head:	Stage #:
XH Weights:	
XH Nut:	Piston Dia:
ConRod:	OEM#:
Pin:	
Caps:	Rod Dia:
PRR Assy:	OEM#:
Total: 0.0	

0.0

Total Difference

SEE OVER FOR NOTES ==>