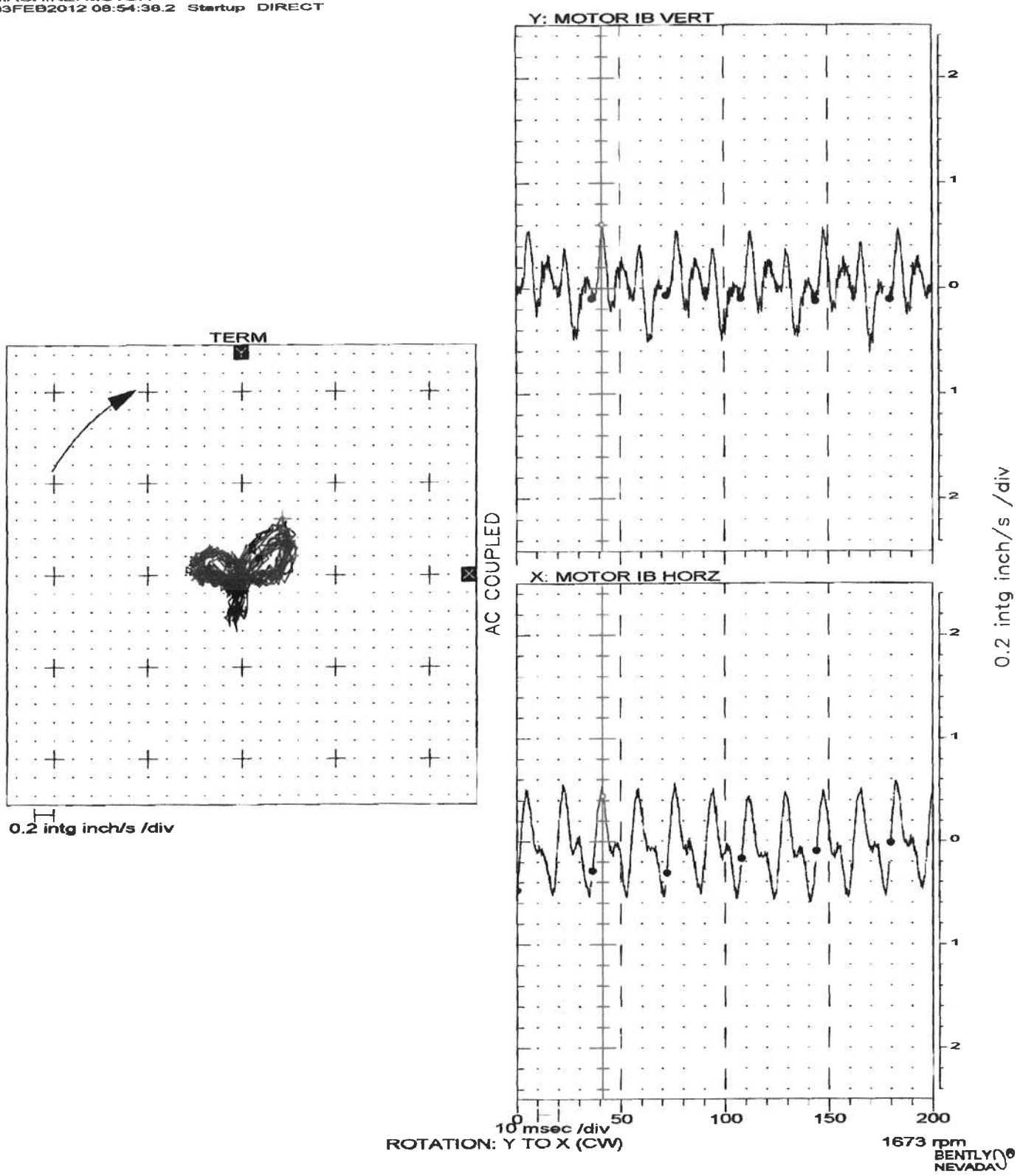
WP 1 VIBRATION SET UP
VERTICAL (Y) INLINE WITH PIPING
HORIZONTAL (X) PERPENDICULAR TO PIPING

Y: MOTOR IB VERT ∠0° DIR AMPL: 0.605 intg inch/s pk
X: MOTOR IB HORZ ∠90° Right DIR AMPL: 0.709 intg inch/s pk
MACHINE: MOTOR
03FEB2012 08:54:38.2 Startup DIRECT

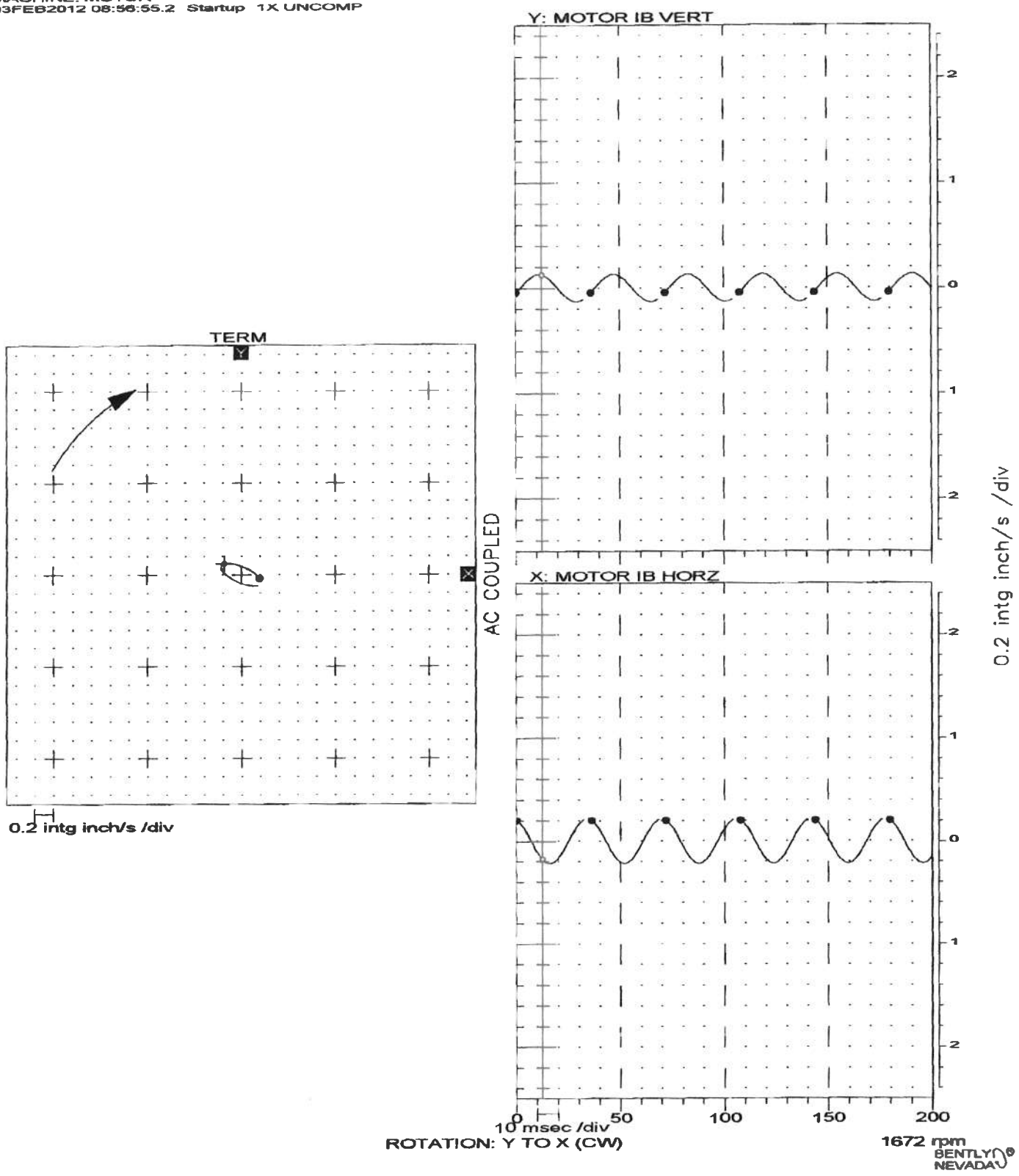


ORBIT/TIMEBASE PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 2
PLANT: [redacted]
JOB REFERENCE: [redacted]

Y: MOTOR IB VERT ∠0°
X: MOTOR IB HORZ ∠90° Right
MACHINE: MOTOR
03FEB2012 08:56:55.2 Startup 1X UNCOMP

VECTOR: 0.129 intg inch/s pk∠113°
VECTOR: 0.218 intg inch/s pk∠342°

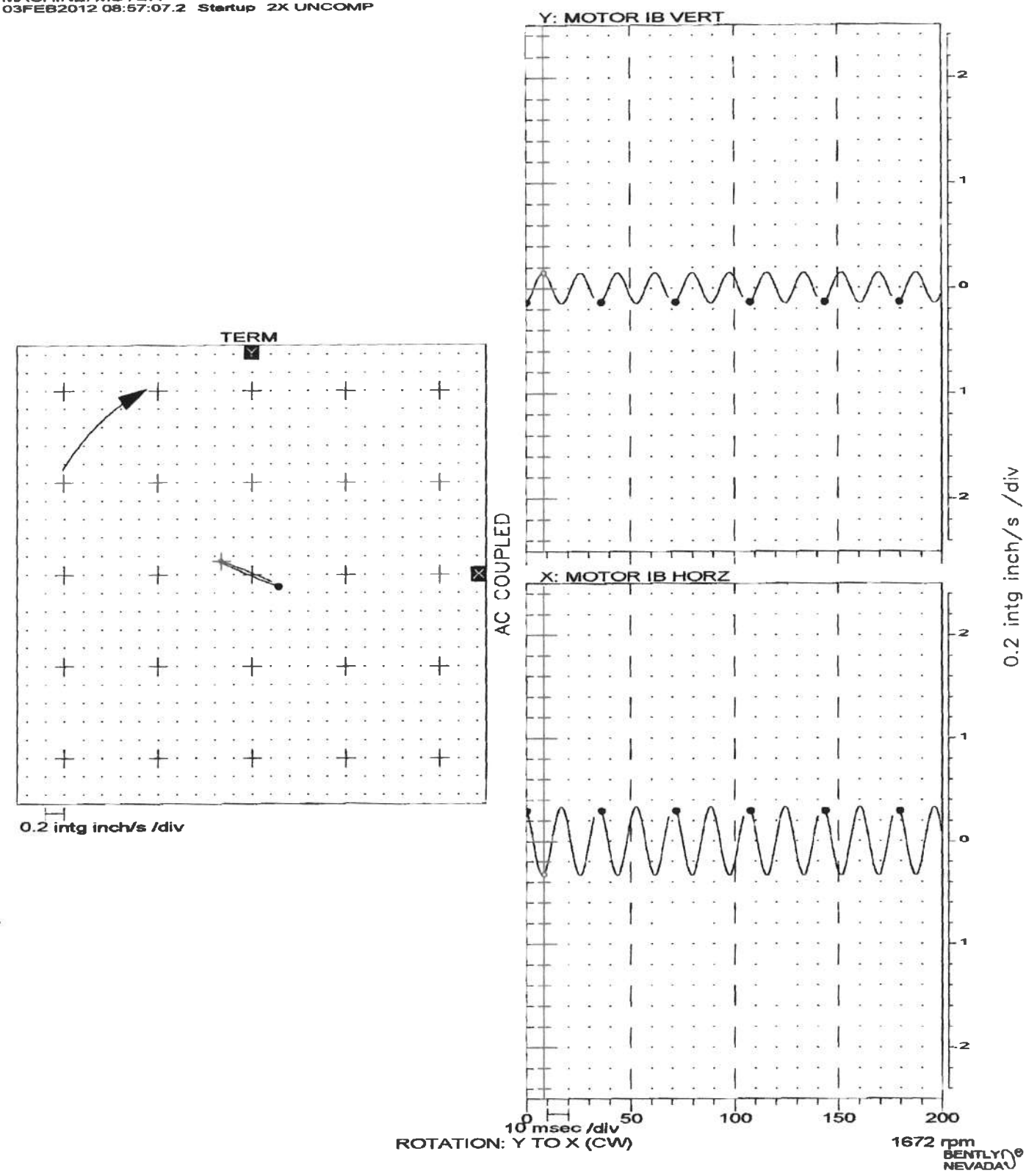


ORBIT/TIMEBASE PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 3
PLANT: [redacted]
JOB REFERENCE: [redacted]

Y: MOTOR IB VERT ∠0°
X: MOTOR IB HORZ ∠90° RIght
MACHINE: MOTOR
03FEB2012 08:57:07.2 Startup 2X UNCOMP

VECTOR: 0.144 intg inch/s pk∠164°
VECTOR: 0.332 intg inch/s pk∠337°

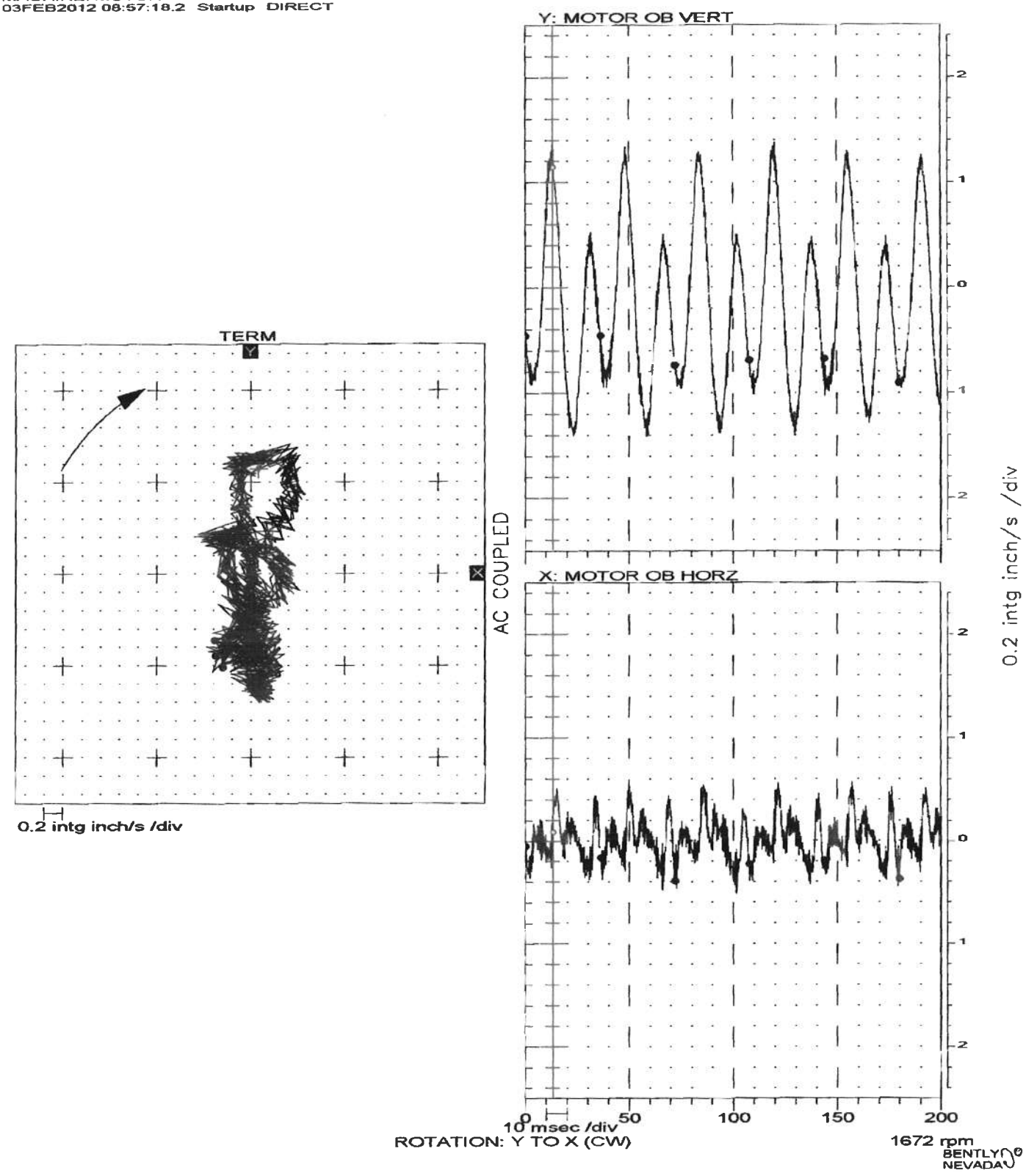


ORBIT/TIMEBASE PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 9
PLANT: [redacted]
JOB REFERENCE: [redacted]

Y: MOTOR OB VERT ∠0°
X: MOTOR OB HORZ ∠90° Right
MACHINE: MOTOR
03FEB2012 08:57:18.2 Startup DIRECT

DIR AMPL: 1.48 intg inch/s pk
DIR AMPL: 0.580 intg inch/s pk

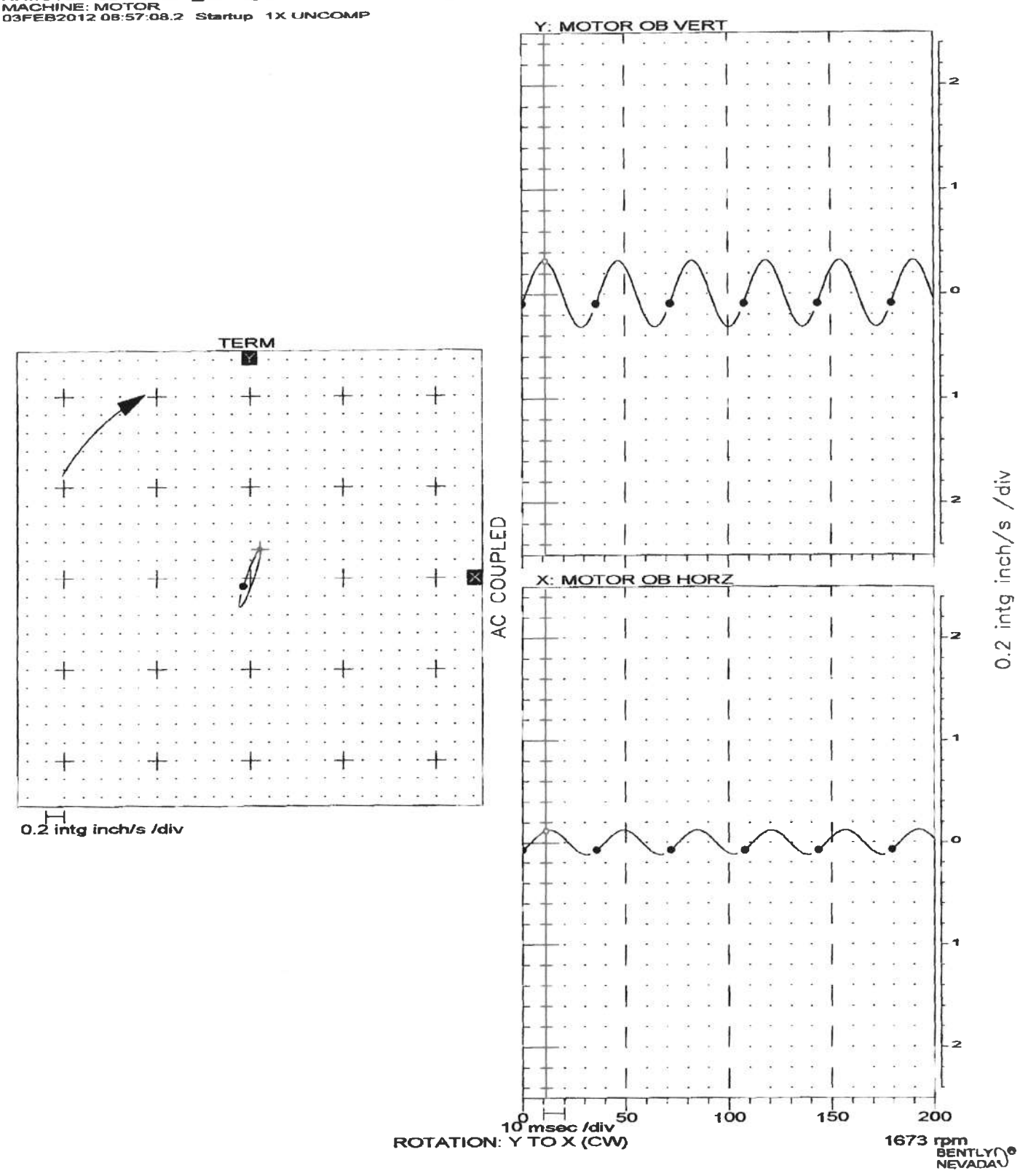


ORBIT/TIMEBASE PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 5
PLANT: [redacted]
JOB REFERENCE: [redacted]

Y: MOTOR OB VERT ∠0°
X: MOTOR OB HORZ ∠90° Right
MACHINE: MOTOR
03FEB2012 08:57:08.2 Startup 1X UNCOMP

VECTOR: 0.317 intg inch/s pk∠110°
VECTOR: 0.119 intg inch/s pk∠132°

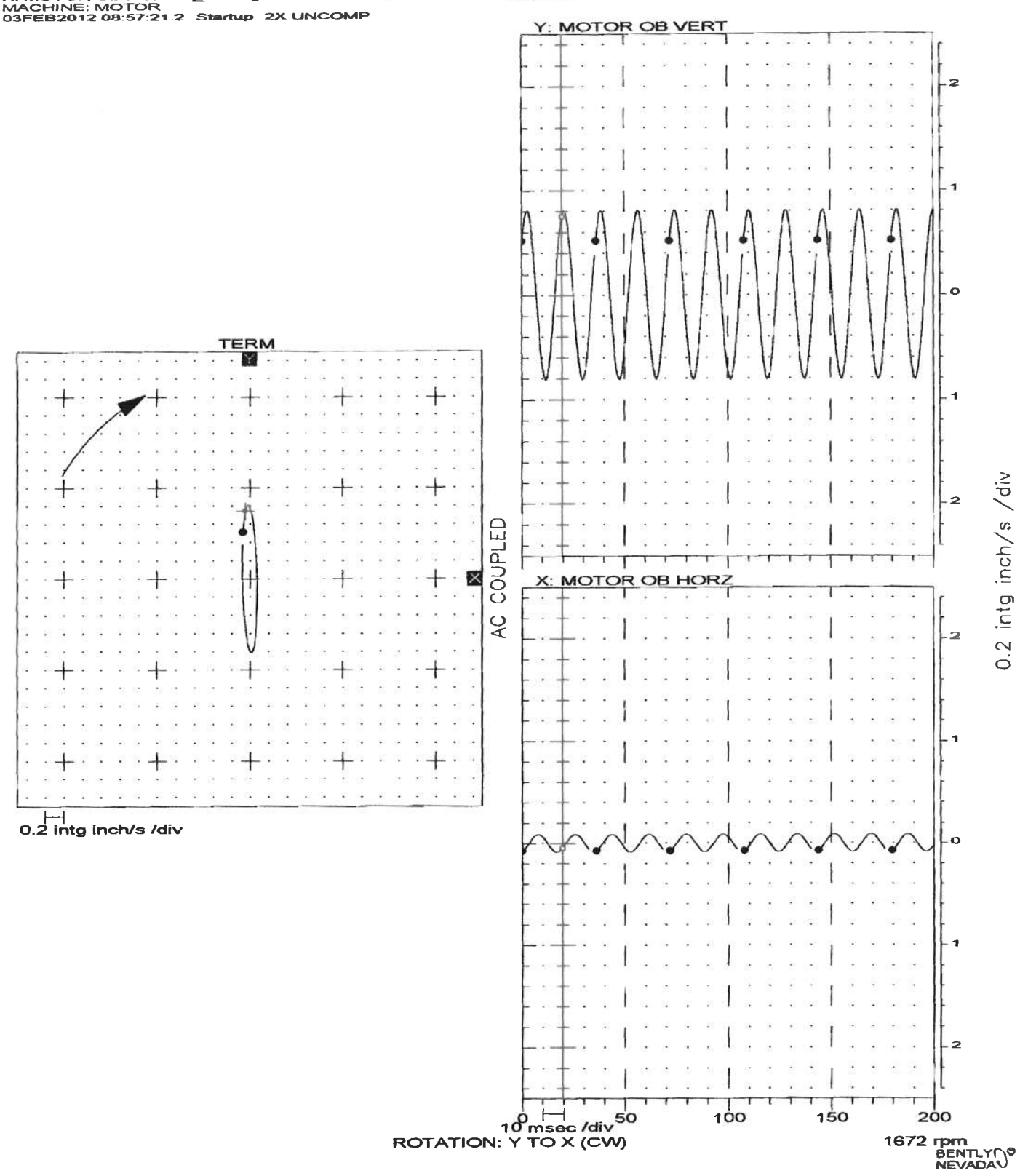


ORBIT/TIMEBASE PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 6
PLANT: [redacted]
JOB REFERENCE: [redacted]

Y: MOTOR OB VERT ∠0°
X: MOTOR OB HORZ ∠90° Right
MACHINE: MOTOR
03FEB2012 08:57:21.2 Startup 2X UNCOMP

VECTOR: 0.808 intg inch/s pk∠66°
VECTOR: 0.084 intg inch/s pk∠159°



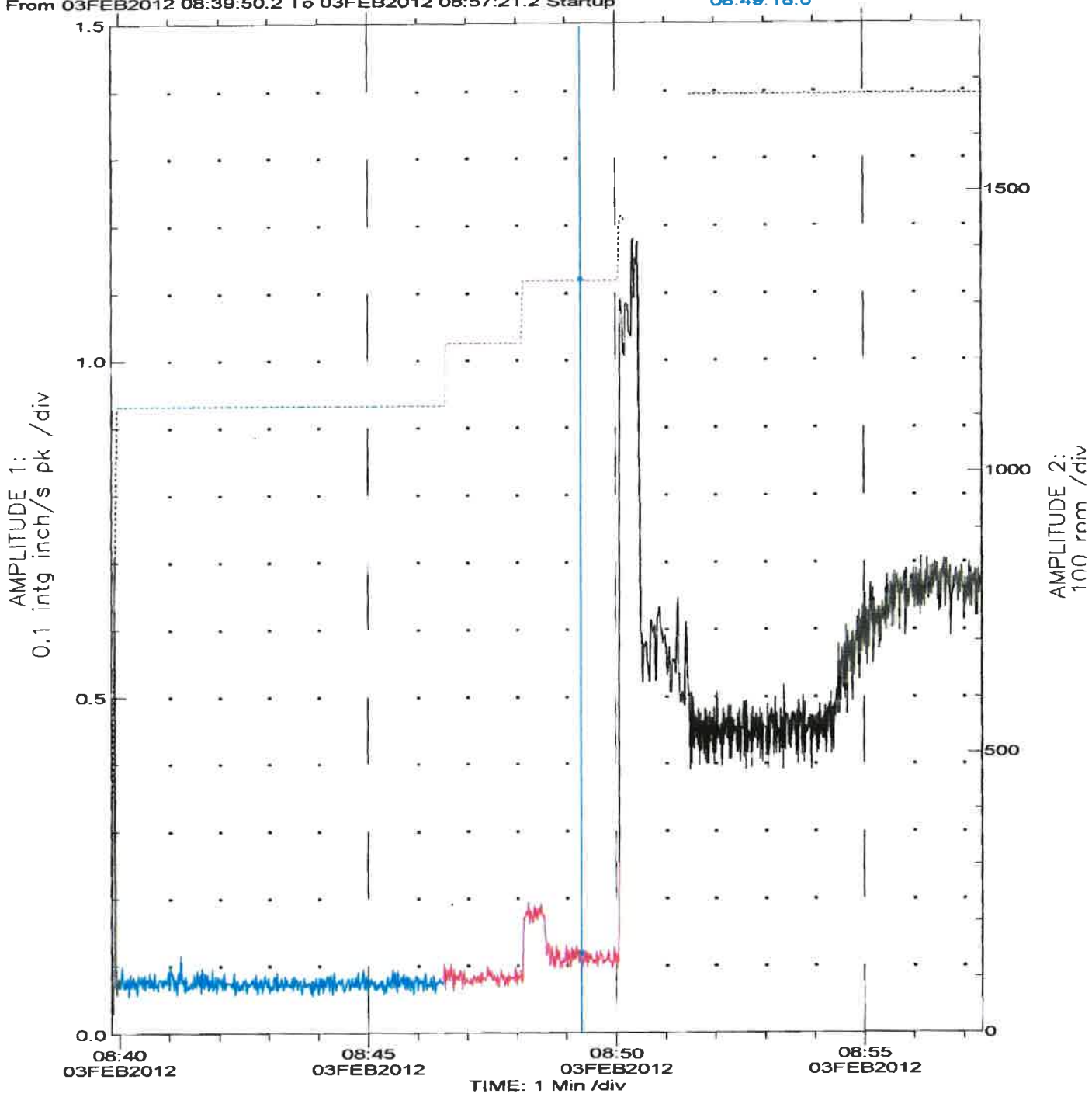
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: [redacted]

PLOT NO. 7
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB VERT
POINT: MOTOR IB VERT
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

DIRECT
RPM

0.114 intg inch/s pk
1340 rpm
03FEB2012
08:49:18.0



COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

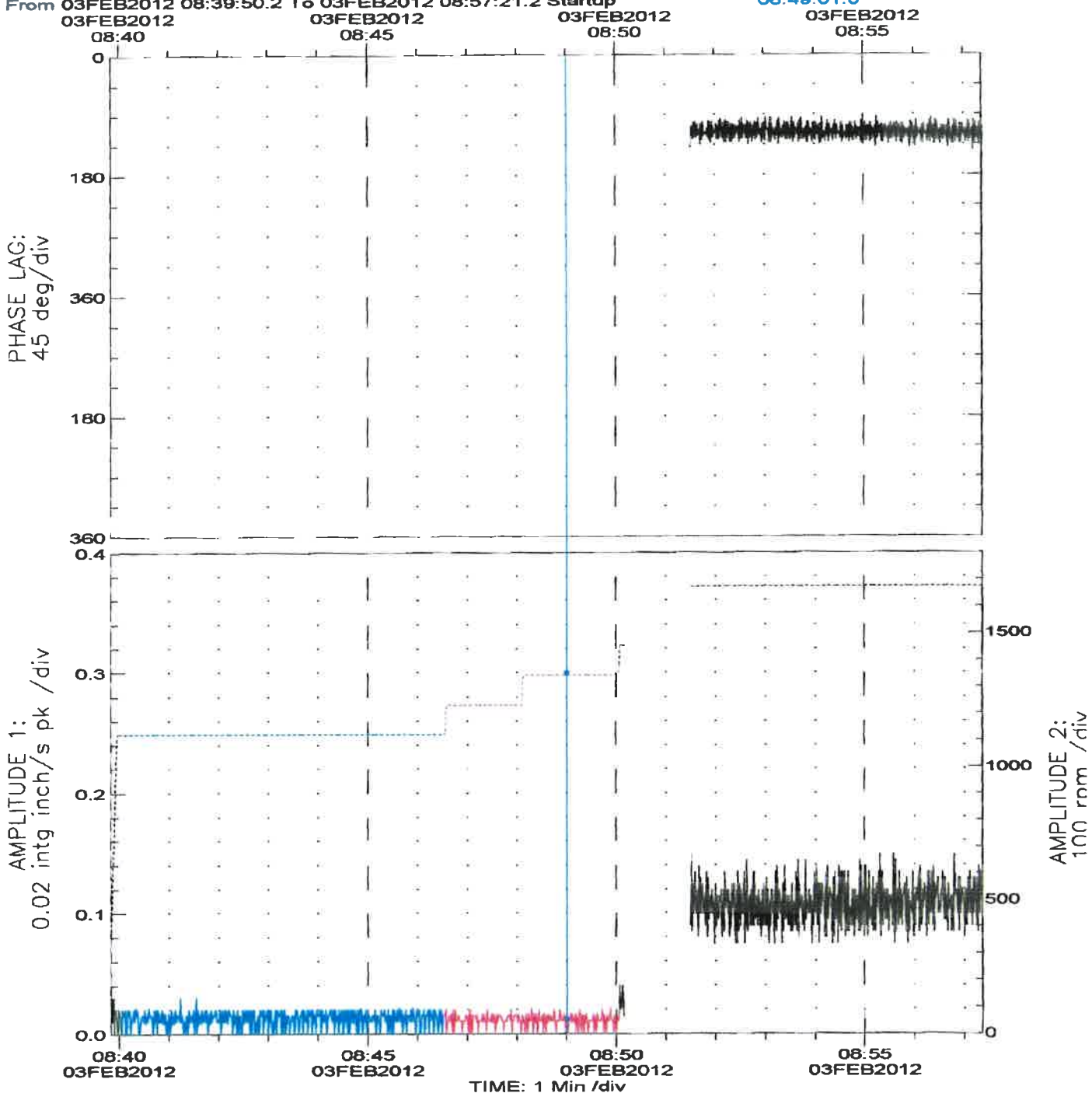
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 8
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB VERT ∠0°
POINT: MOTOR IB VERT ∠0°
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

1X UNCOMP
RPM

0.010 intg inch/s pk∠NA°
1341 rpm
03FEB2012
08:49:01.0



COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

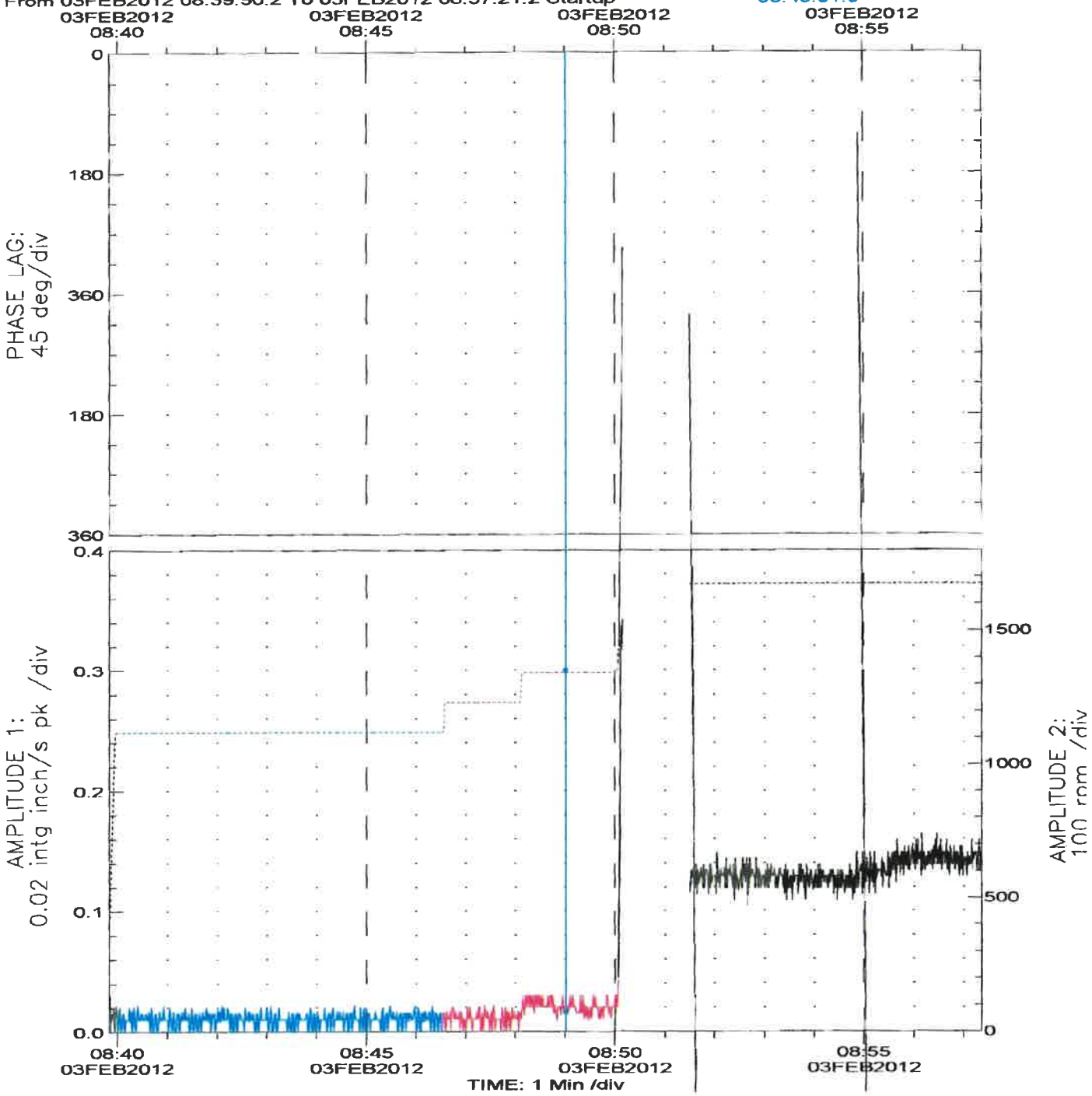
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 9
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB VERT ∠0°
POINT: MOTOR IB VERT ∠0°
MACHINE: MOTOR
2X UNCOMP
RPM

0.015 intg inch/s pk∠NA°
1341 rpm
03FEB2012
08:49:01.0

From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



COMMENTS

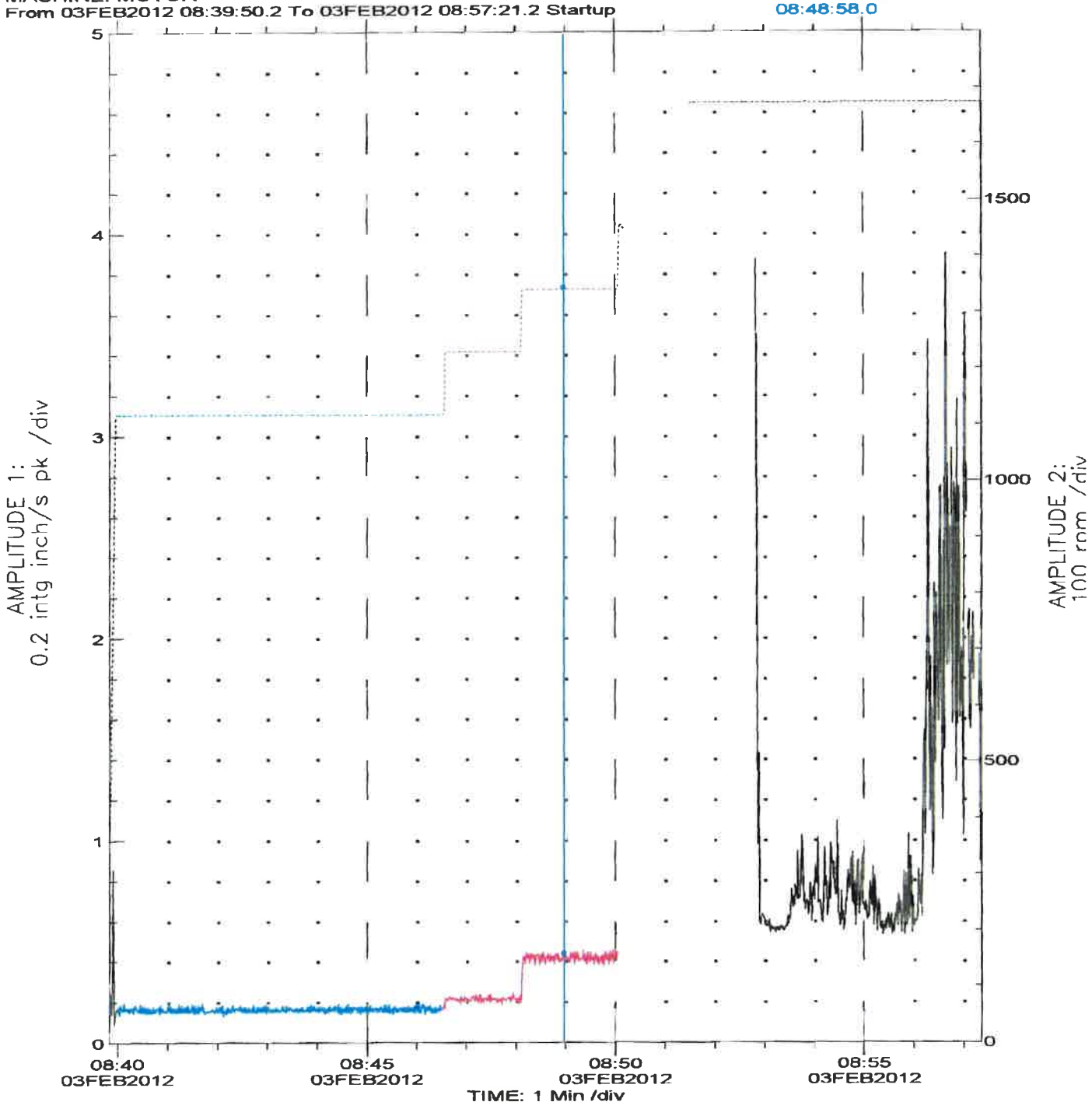
Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 1D
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB HORZ ∠90° Right — DIRECT
POINT: MOTOR IB HORZ ∠90° Right — RPM
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

0.427 intg inch/s pk
1340 rpm
03FEB2012
08:48:58.0



COMMENTS

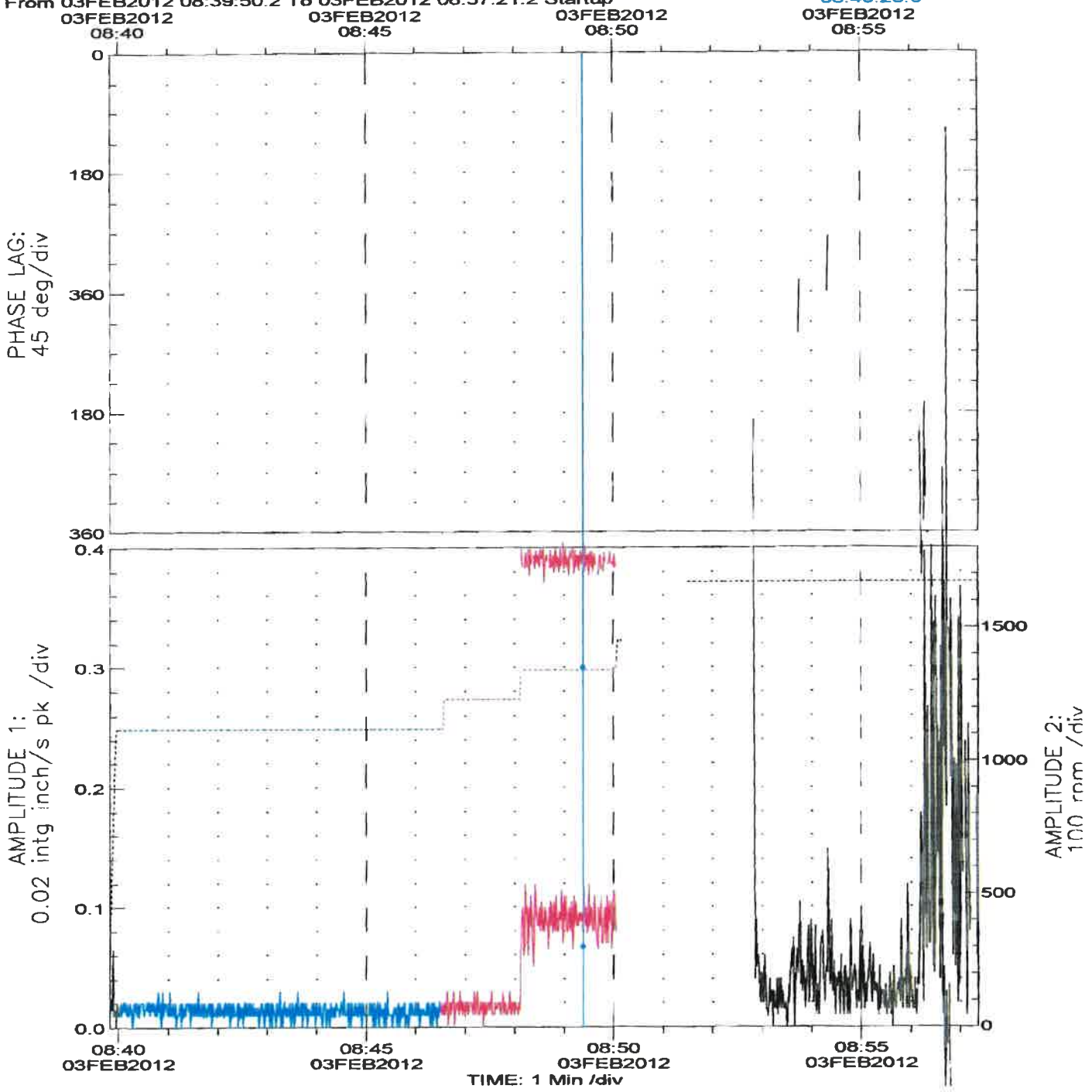
Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 11
PLANT: [redacted]
JOB REFERENCE: 1[redacted]

POINT: MOTOR IB HORZ ∠90° Right — 1X UNCOMP
POINT: MOTOR IB AXIAL ∠90° Right ····· RPM
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

0.064 intg inch/s pk∠NA°
1340 rpm
03FEB2012
08:49:23.0



COMMENTS

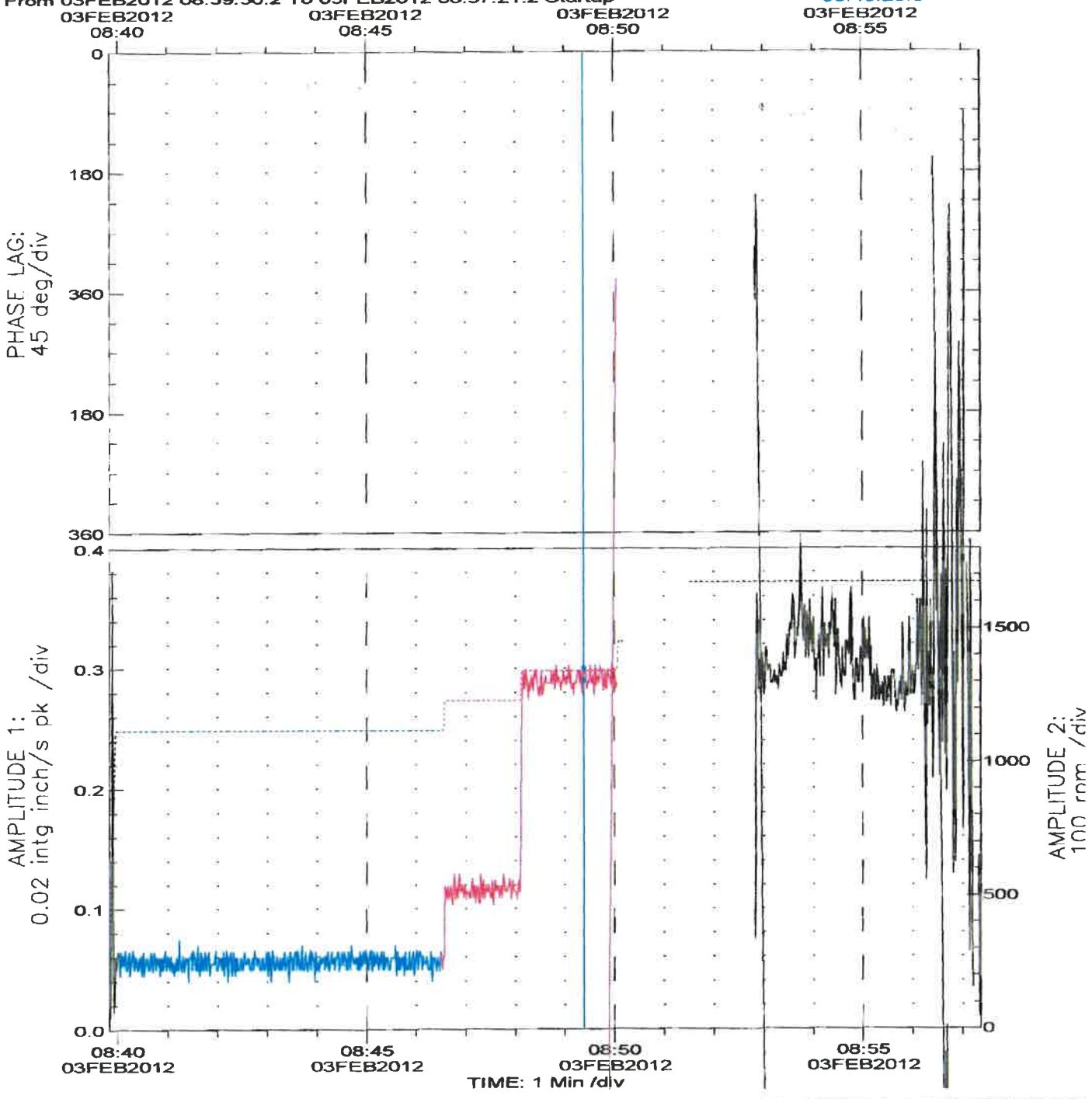
Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 12
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB HORZ ∠90° Right — 2X UNCOMP
POINT: MOTOR IB VERT ∠0° ····· RPM
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

0.288 intg inch/s pk∠142°
1340 rpm
03FEB2012
08:49:23.0



COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

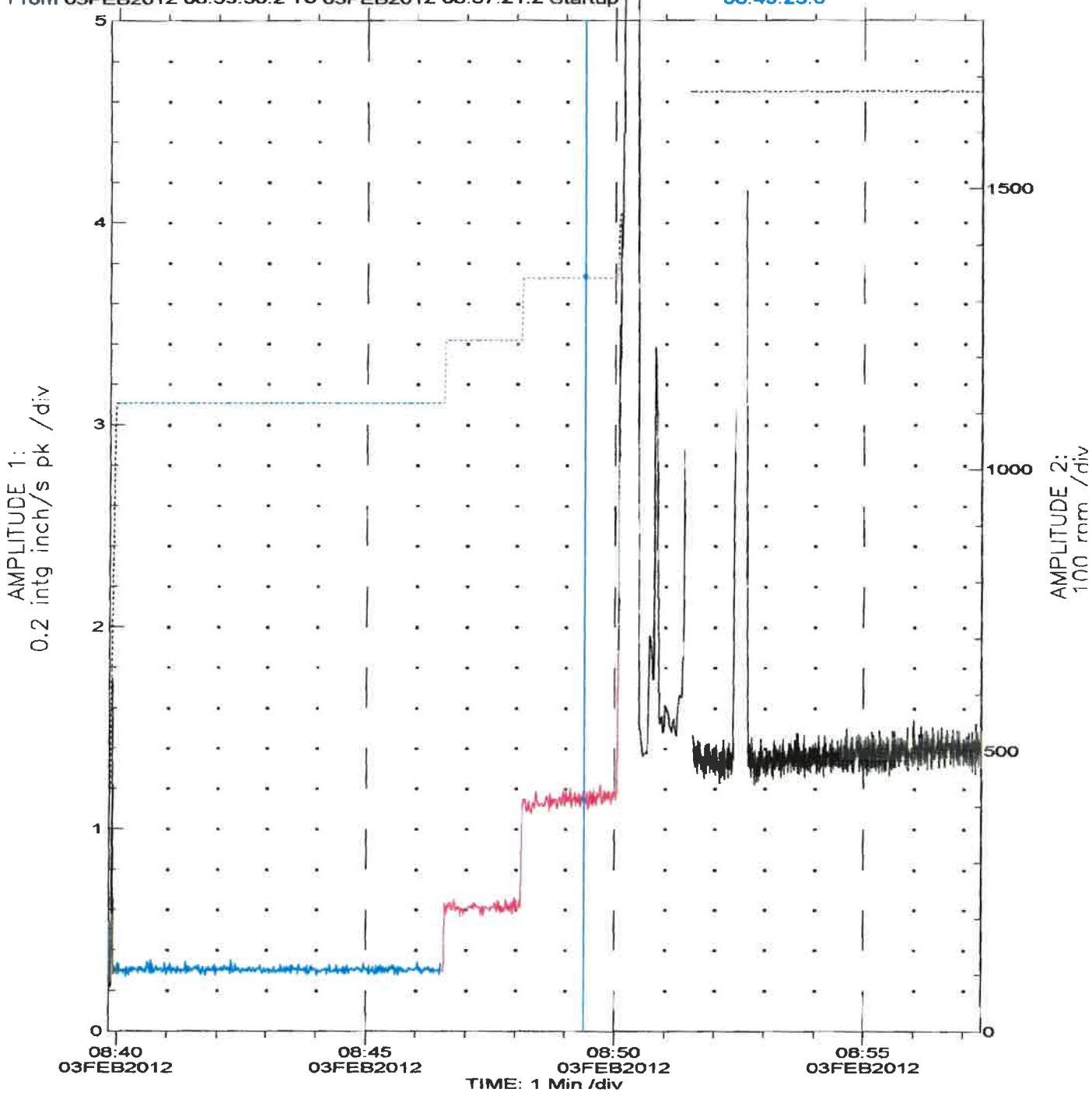
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 13
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0°
POINT: MOTOR OB VERT ∠0°
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

DIRECT
RPM

1.13 intg inch/s pk
1340 rpm
03FEB2012
08:49:23.0



COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

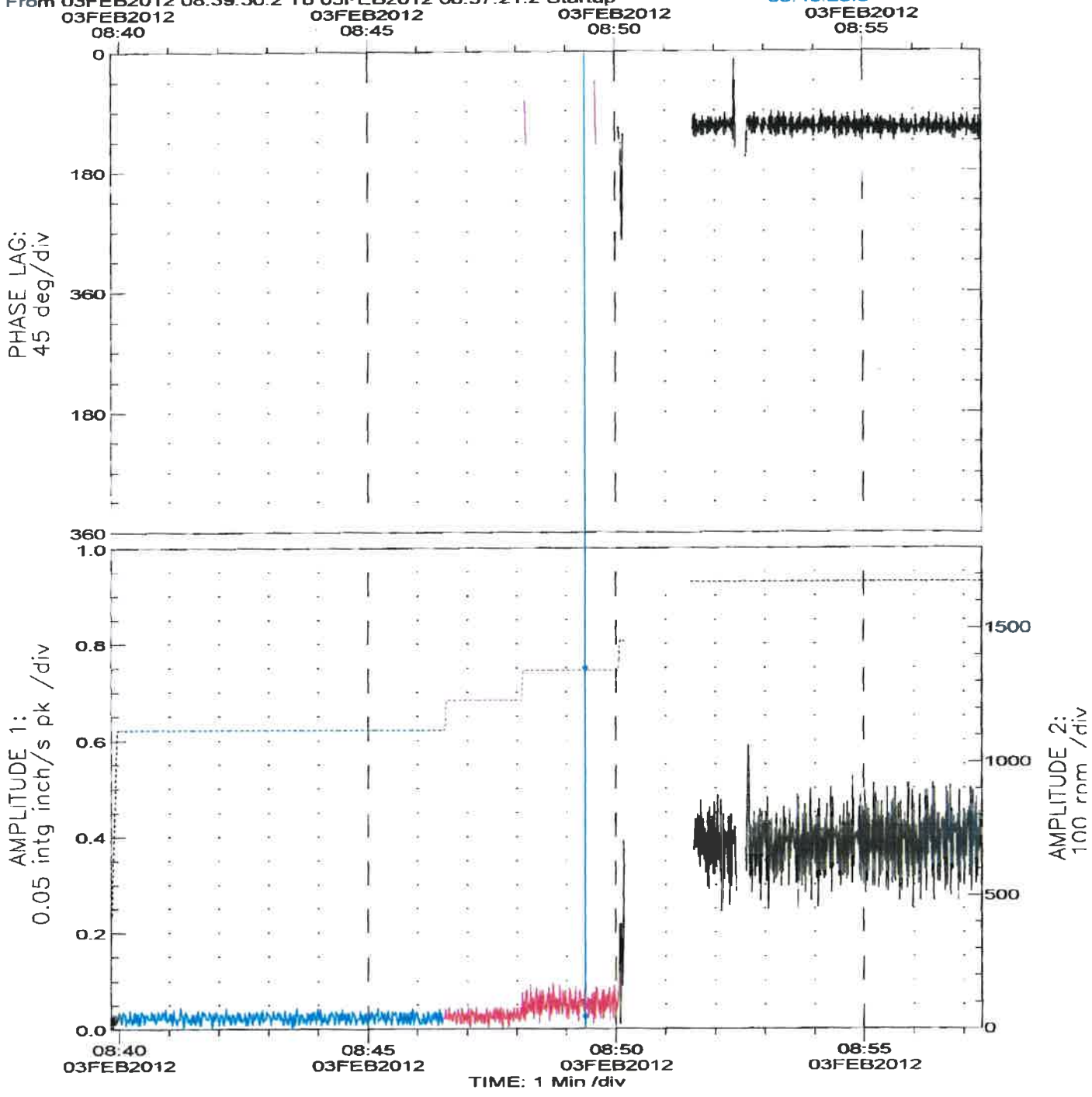
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 14
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0°
POINT: MOTOR OB VERT ∠0°
MACHINE: MOTOR
1X UNCOMP
RPM

0.020 intg inch/s pk∠NA°
1340 rpm
03FEB2012
08:49:23.0

From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

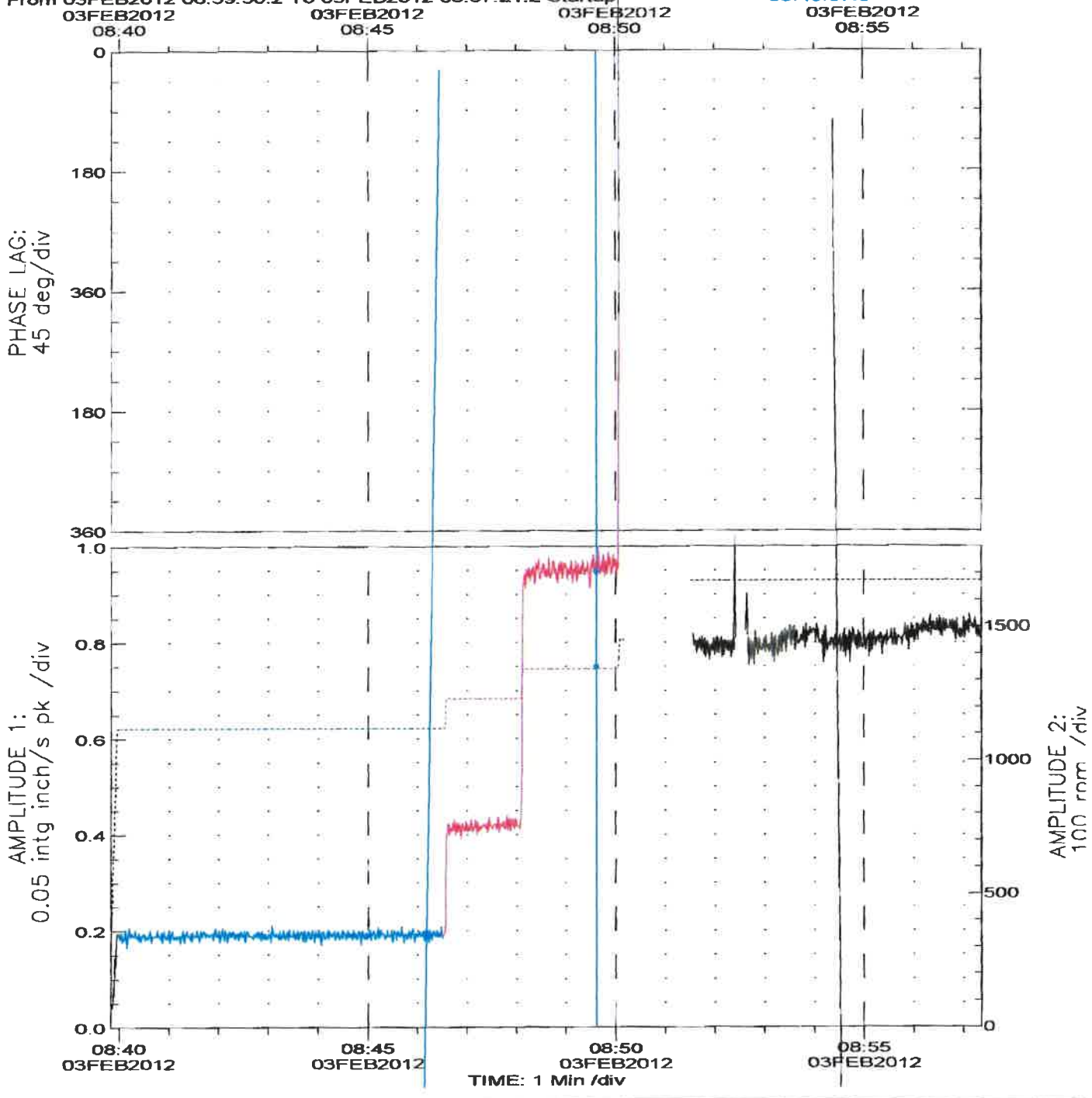
TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 15
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0°
POINT: MOTOR OB VERT ∠0°
MACHINE: MOTOR
2X UNCOMP
RPM

0.842 intg inch/s pk∠58°
1341 rpm
03FEB2012
08:49:37.0

From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



COMMENTS

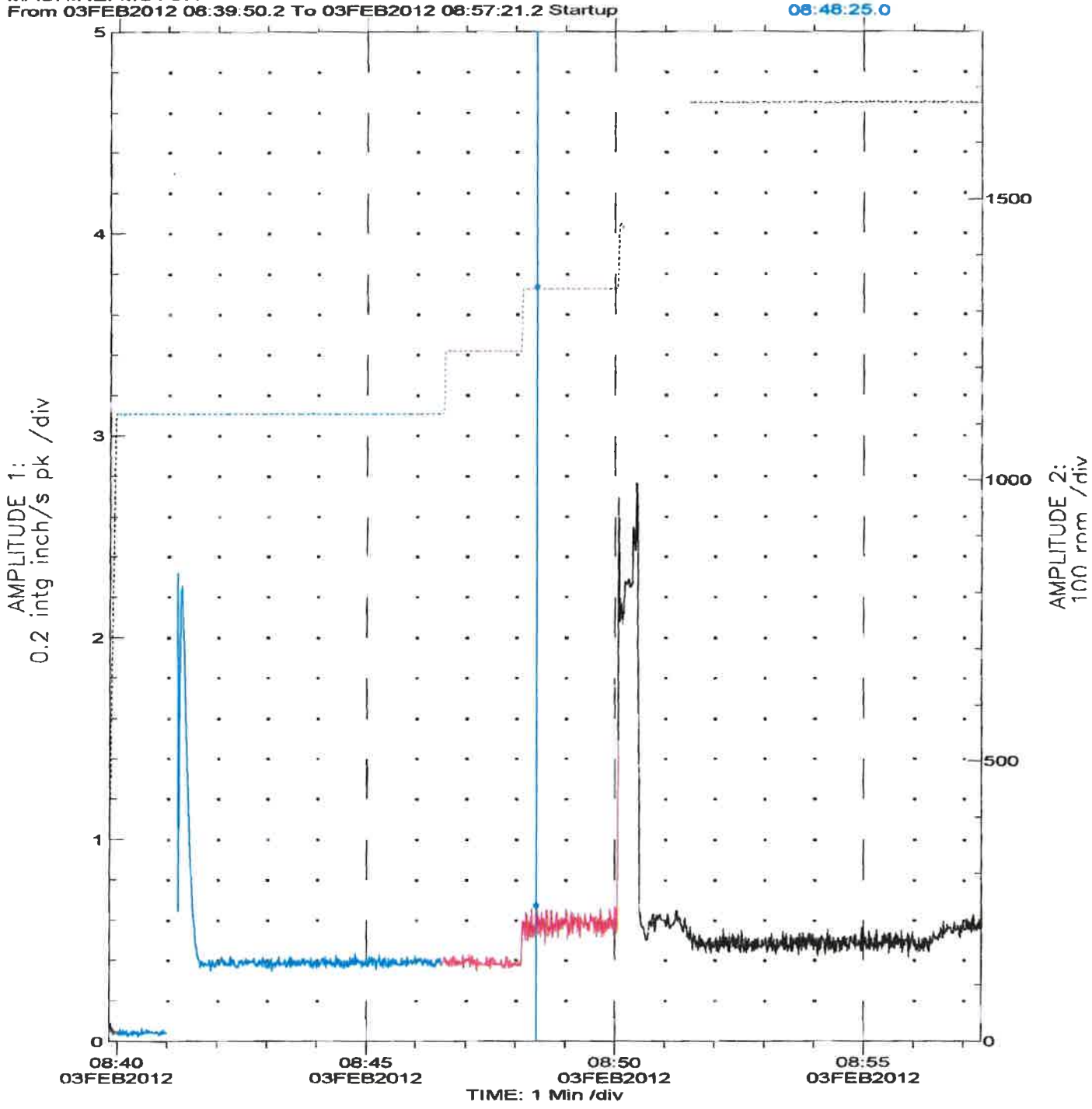
Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 16
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right — DIRECT
POINT: MOTOR OB HORZ ∠90° Right ····· RPM
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

0.660 intg inch/s pk
1340 rpm
03FEB2012
08:48:25.0



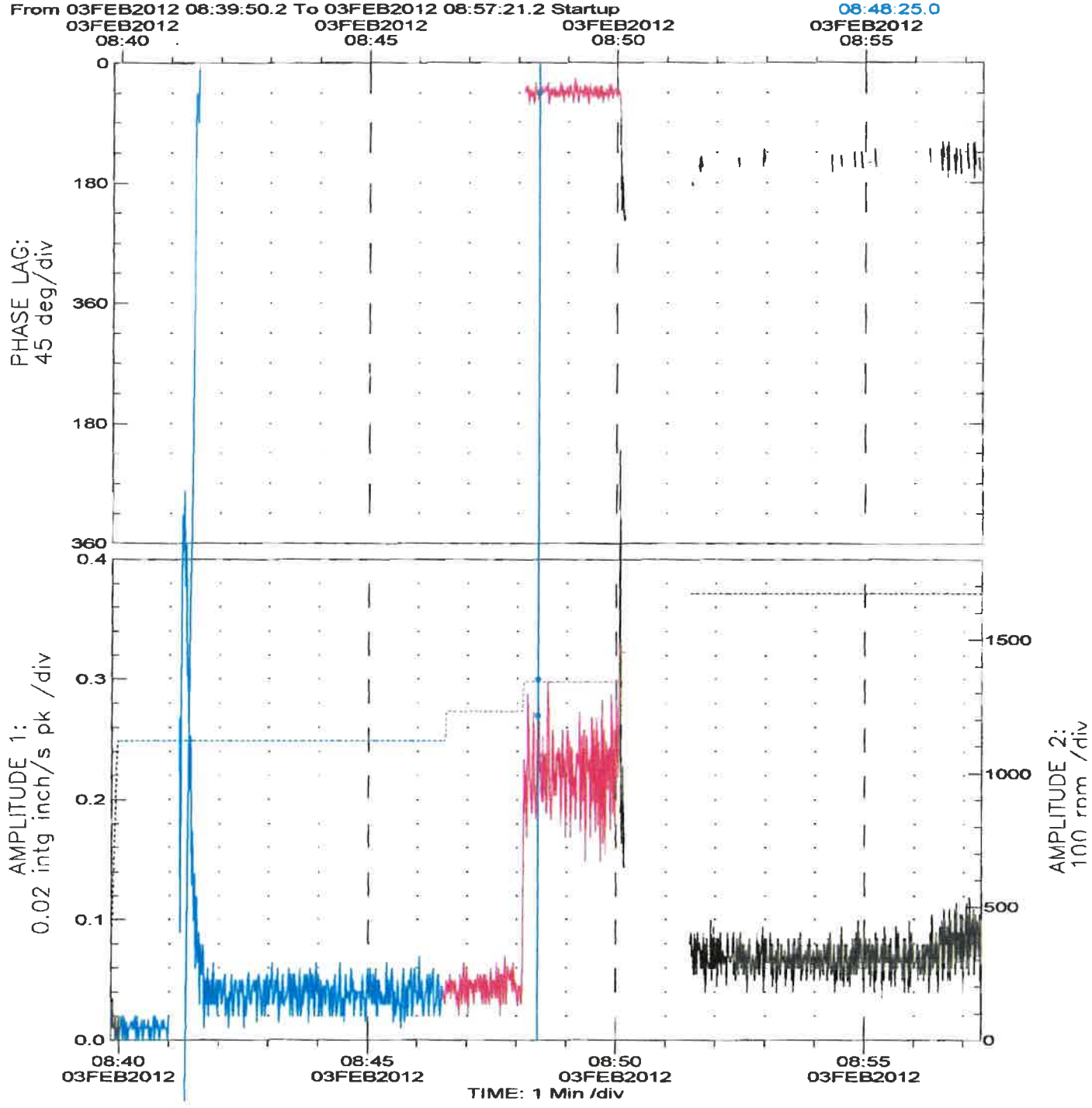
COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 17
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right ——— 1X UNCOMP 0.268 intg inch/s pk∠48°
POINT: MOTOR OB HORZ ∠90° Right ····· RPM 1340 rpm
MACHINE: MOTOR 03FEB2012
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup 08:48:25.0



COMMENTS

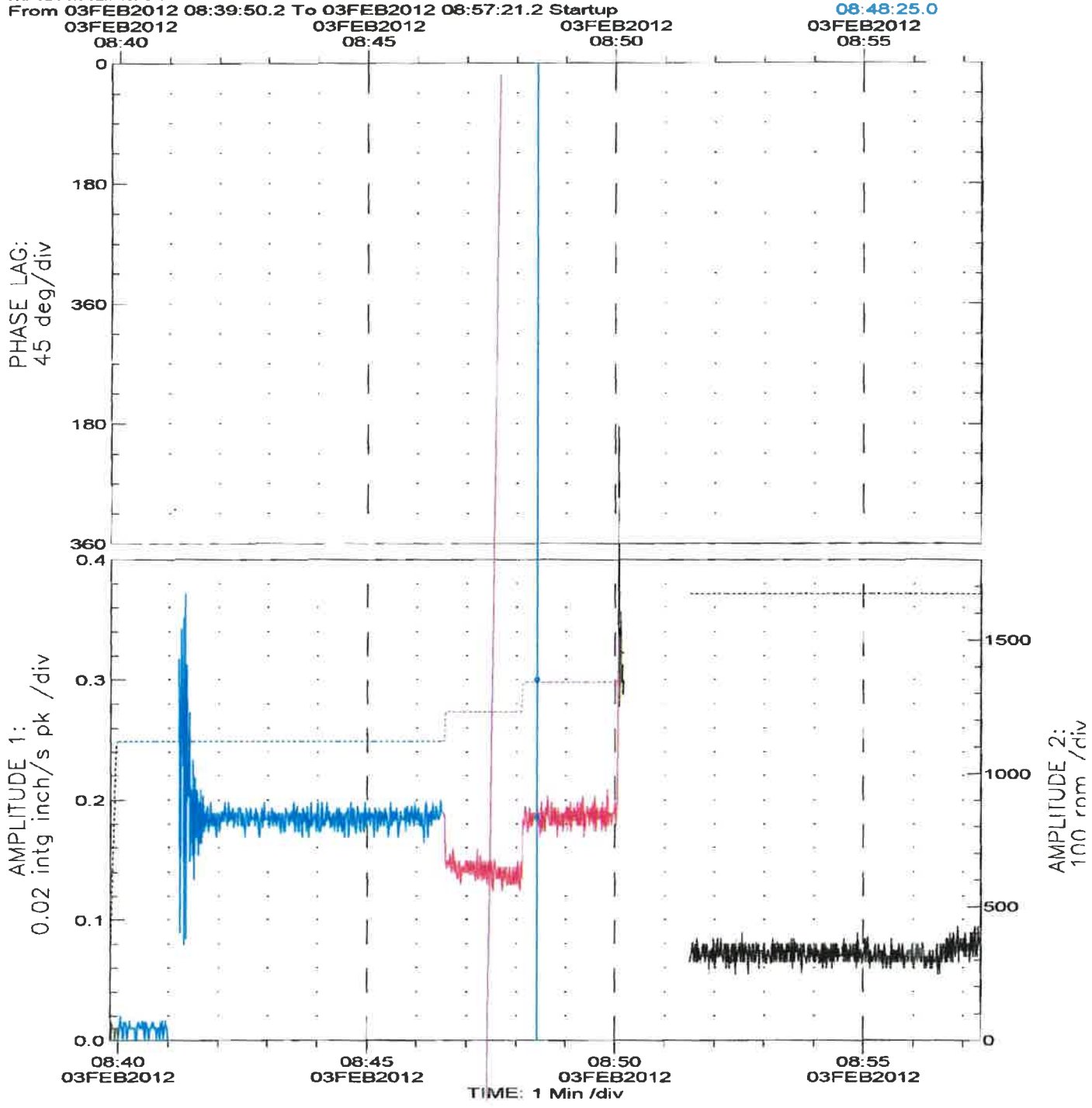
Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

TREND PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 18
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right — 2X UNCOMP
POINT: MOTOR OB HORZ ∠90° Right ..... RPM
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup

0.184 intg inch/s pk∠151°
1340 rpm
03FEB2012
08:48:25.0



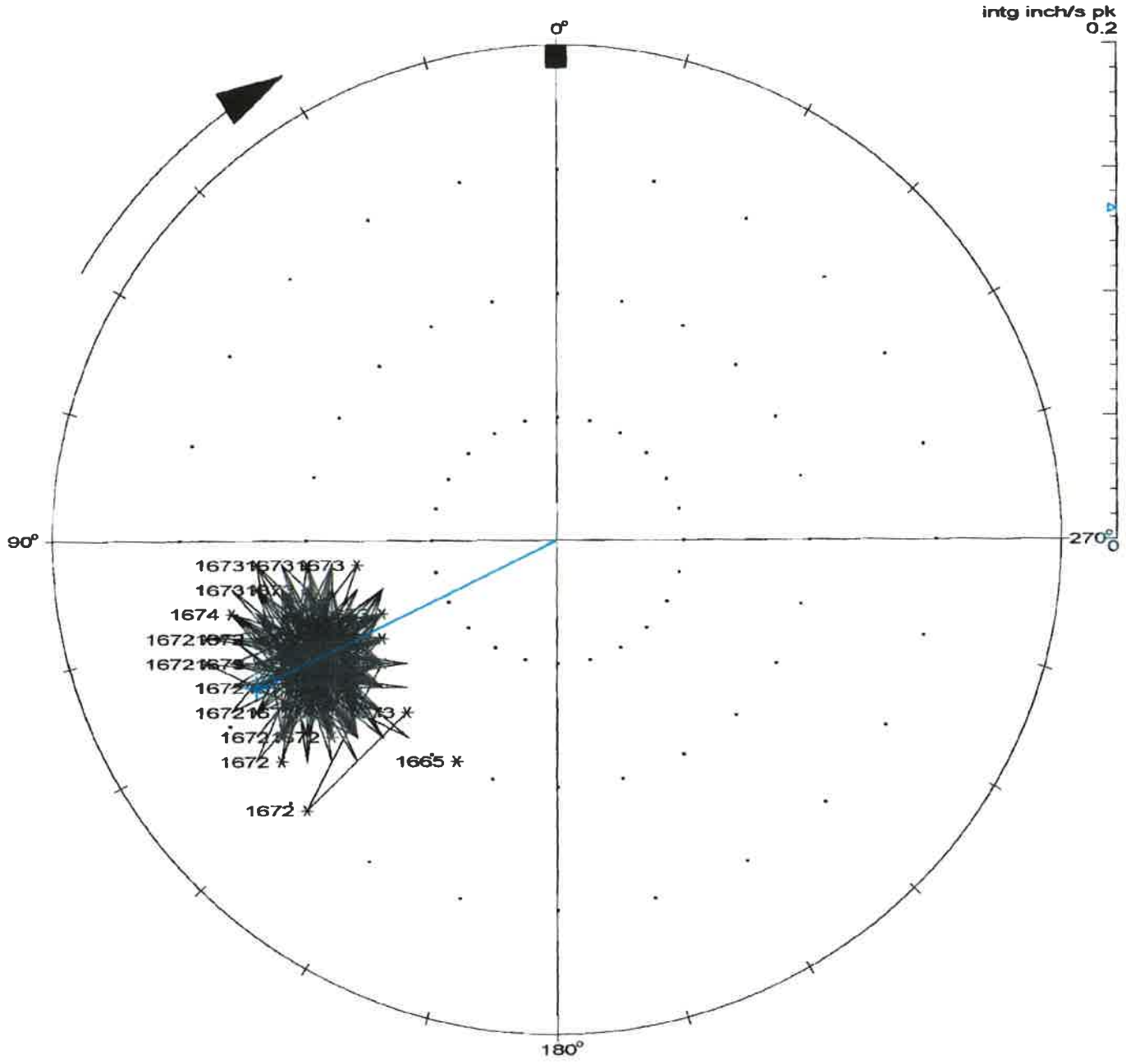
COMMENTS

Blue = 1118 RPM
Red = 1340 RPM
Black = 1650 RPM

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 19
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB VERT ∠0° 1X UNCOMP 0.134∠117° @1672 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



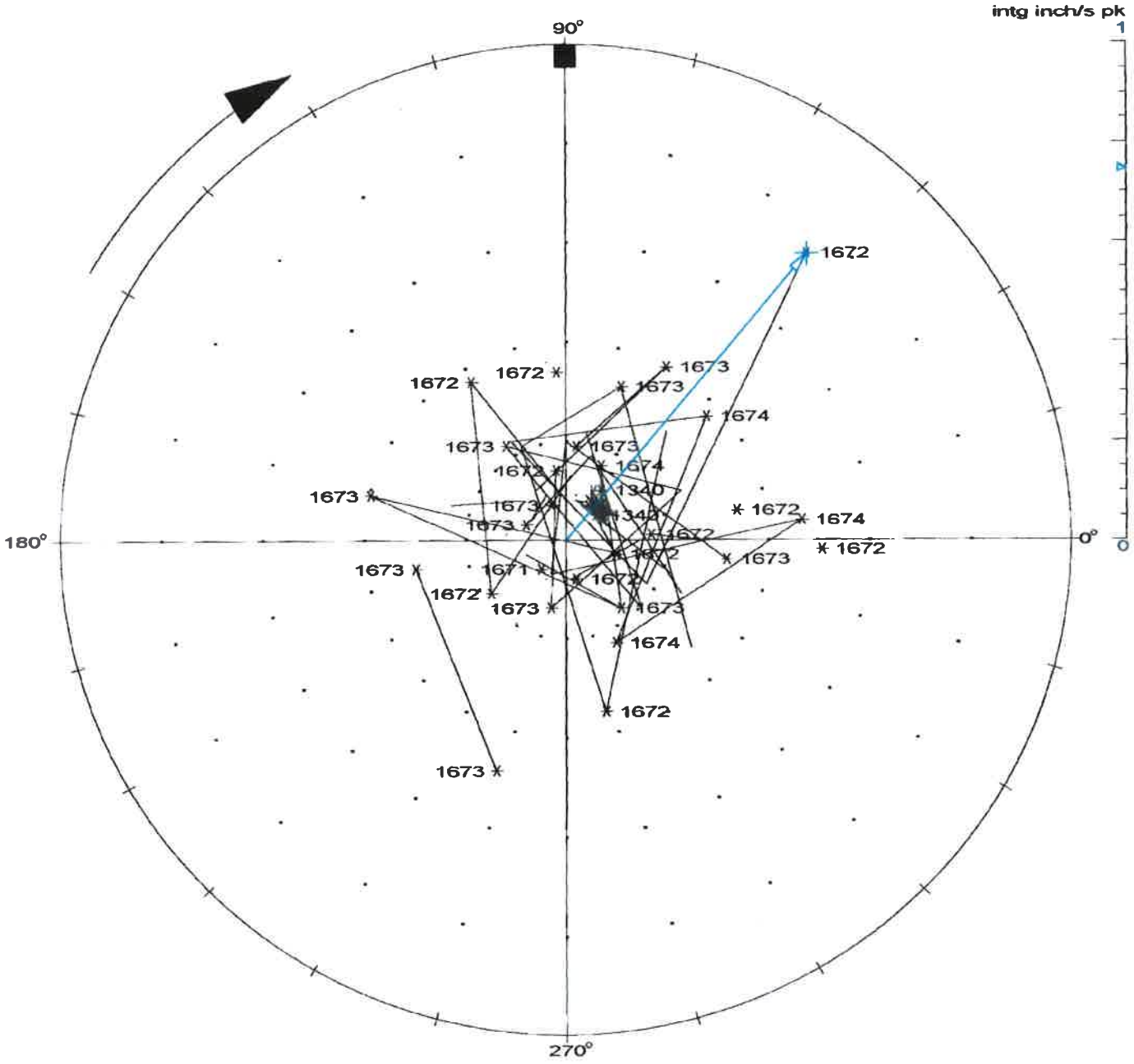
0.2 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 20
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB HORZ ∠90° Right 1X UNCOMP 0.749∠50° @1672 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



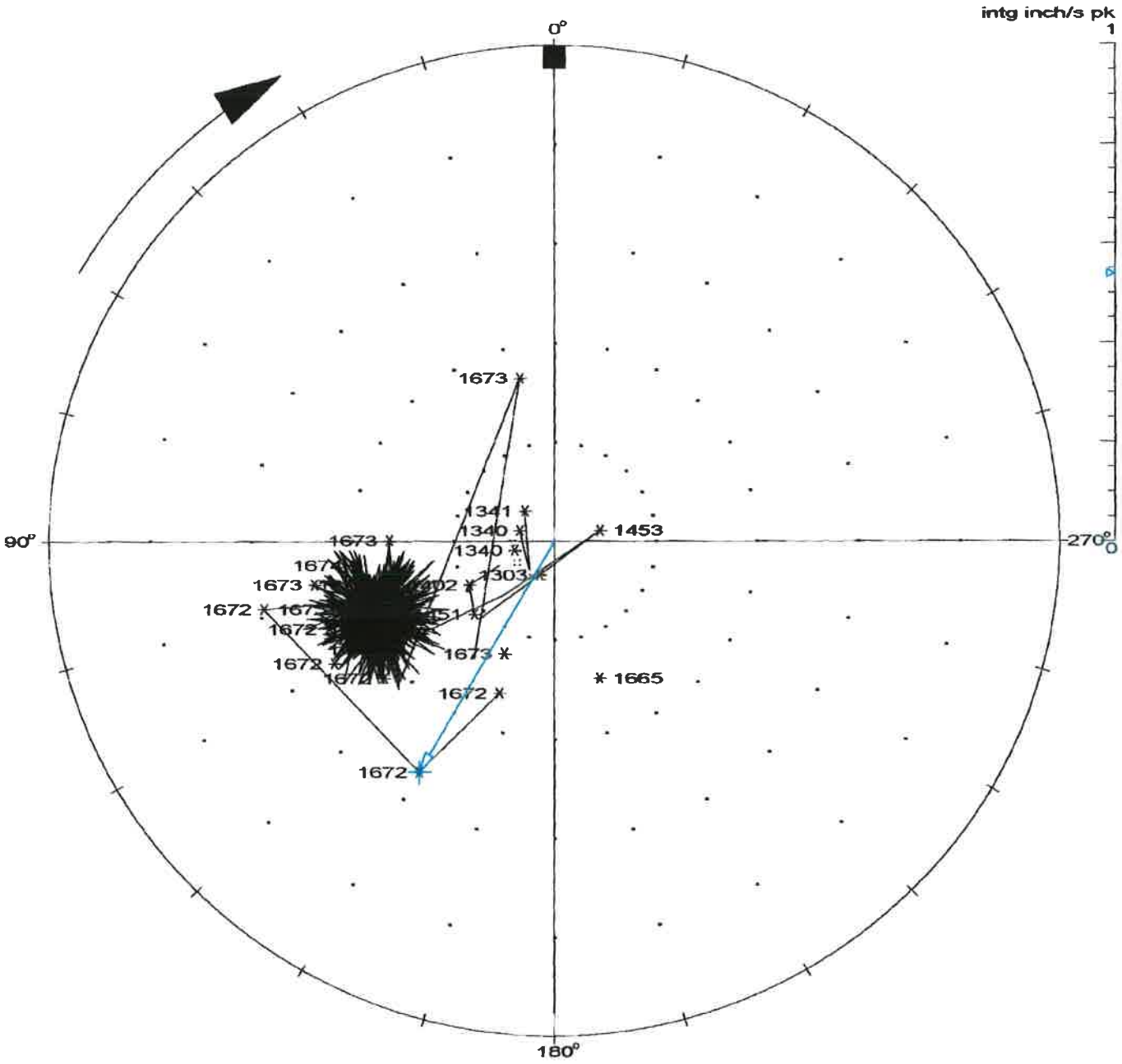
1 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: [redacted]

PLOT NO. 21
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 1X UNCOMP 0.536∠150° @1672 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



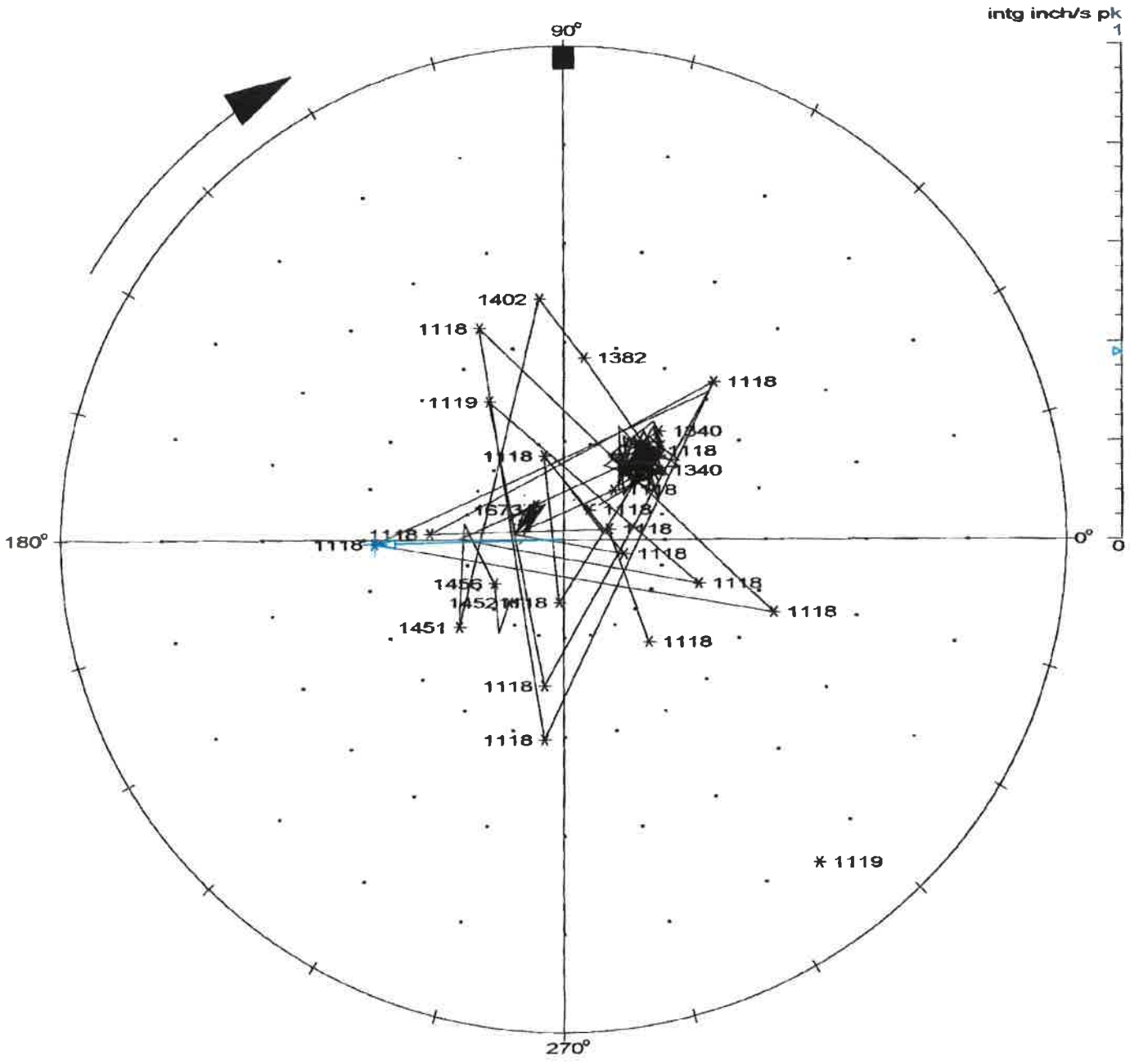
1 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 22
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 1X UNCOMP 0.377∠182° @1118 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



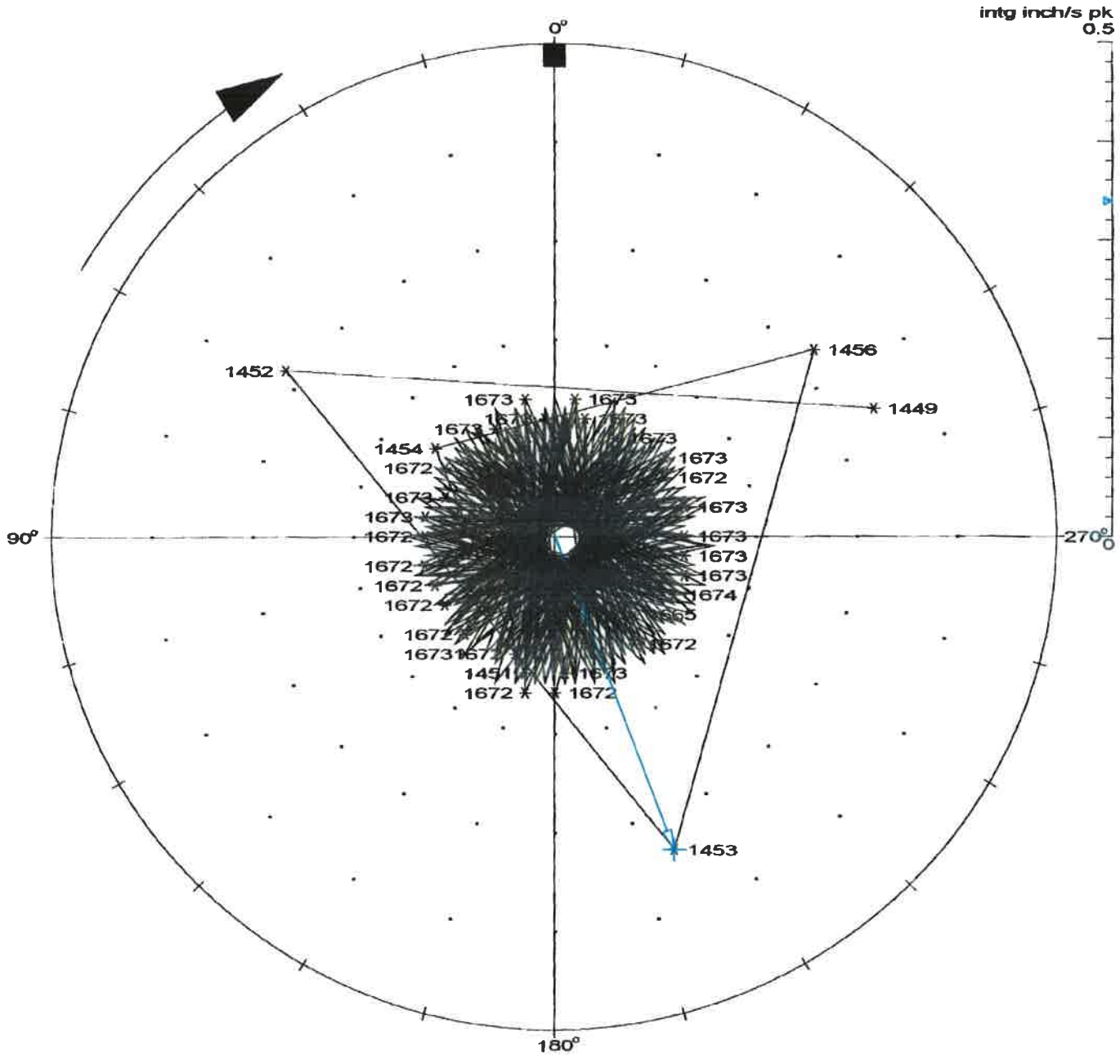
1 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 23
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB VERT ∠0° 2X UNCOMP 0.337∠201° @1453 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



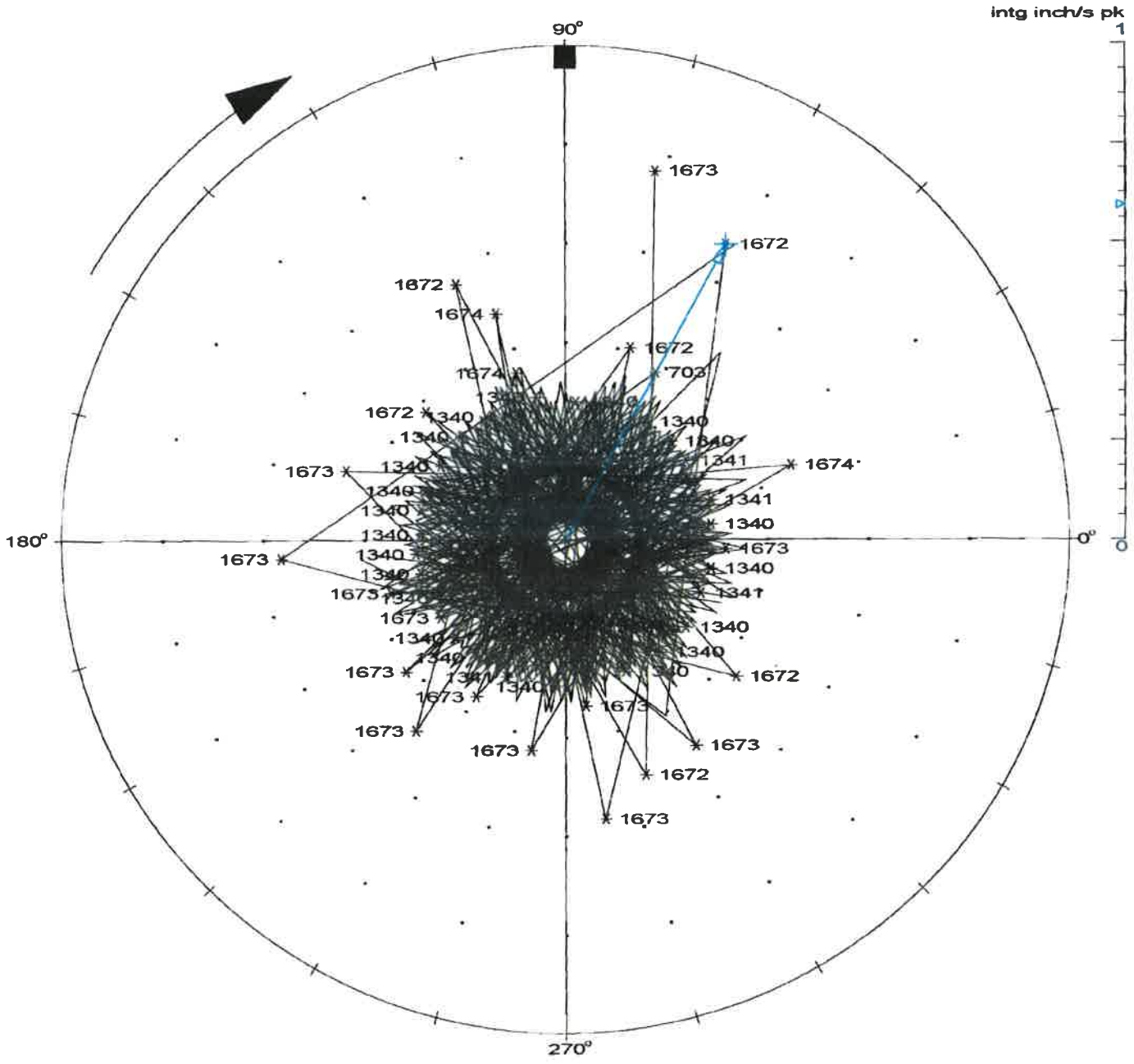
0.5 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 24
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR IB HORZ ∠90° Right 2X UNCOMP 0.675∠62° @1672 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



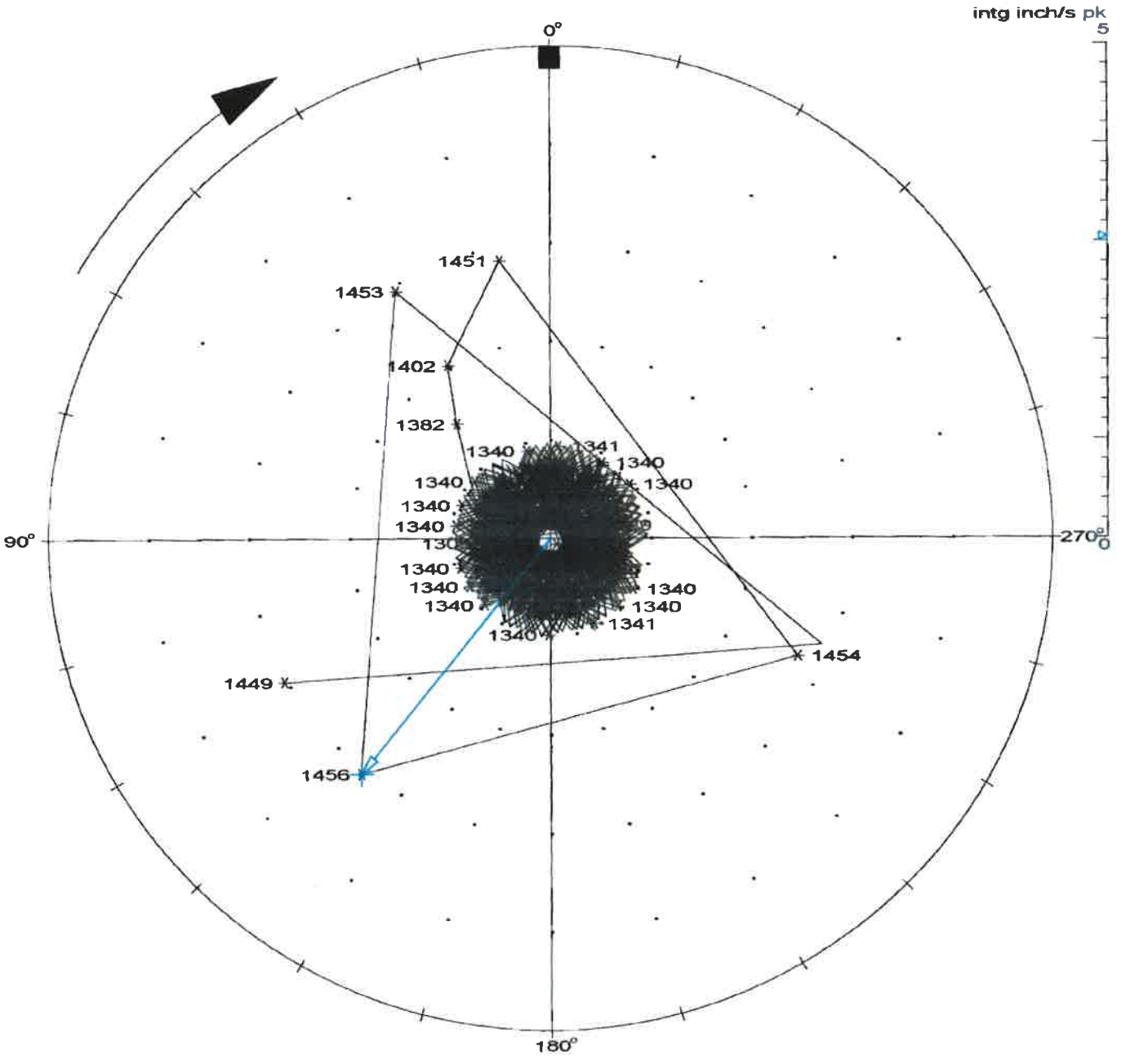
1 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 25
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 2X UNCOMP 3.05∠142° @1456 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



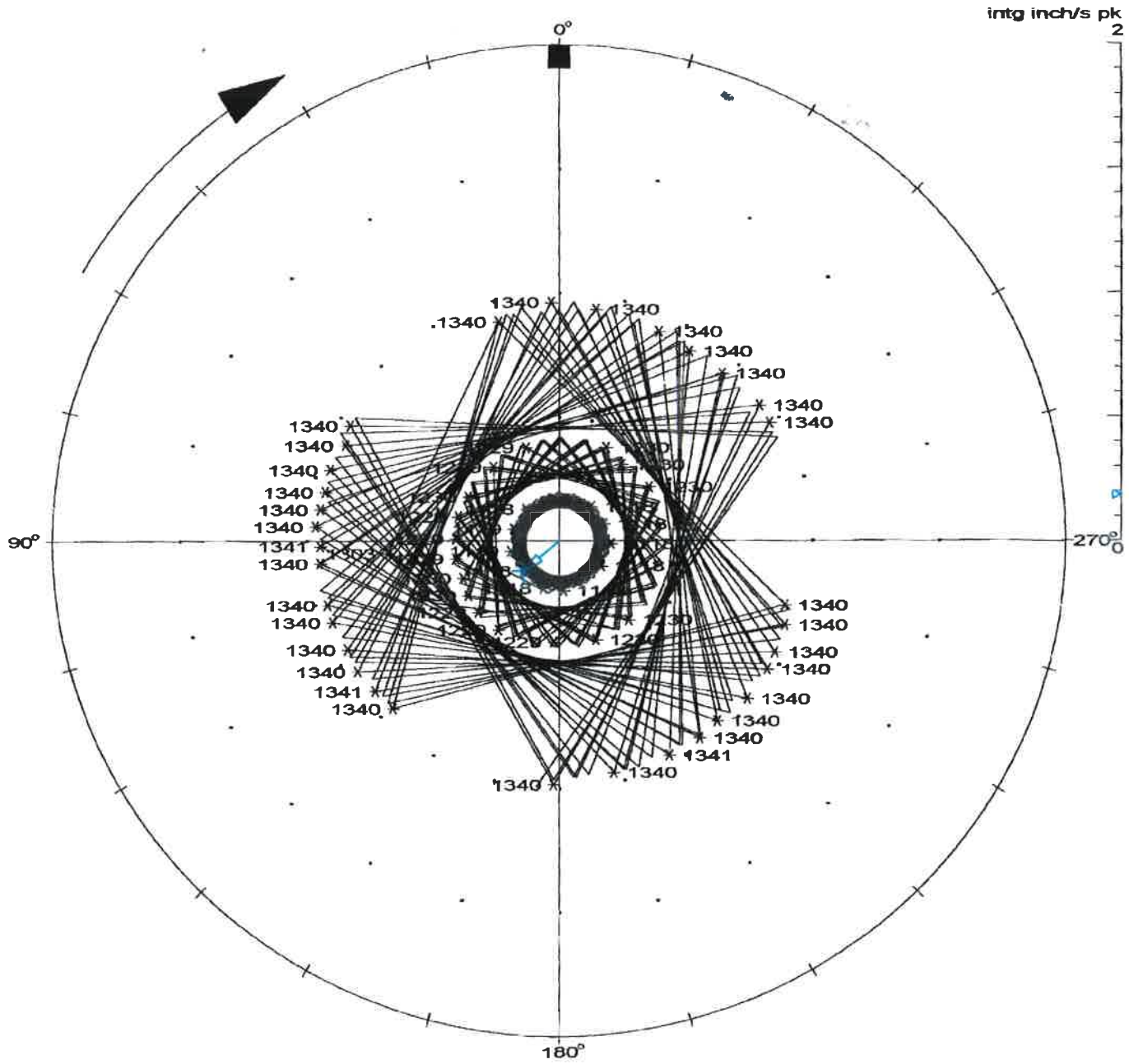
5 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 26
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 2X UNCOMP 0.184∠131° @1118 rpm
MACHINE: MOTOR
From 03FEB2012 08:42:58.2 To 03FEB2012 08:49:39.2 Startup



2 intg inch/s pk FULL SCALE

CW ROTATION

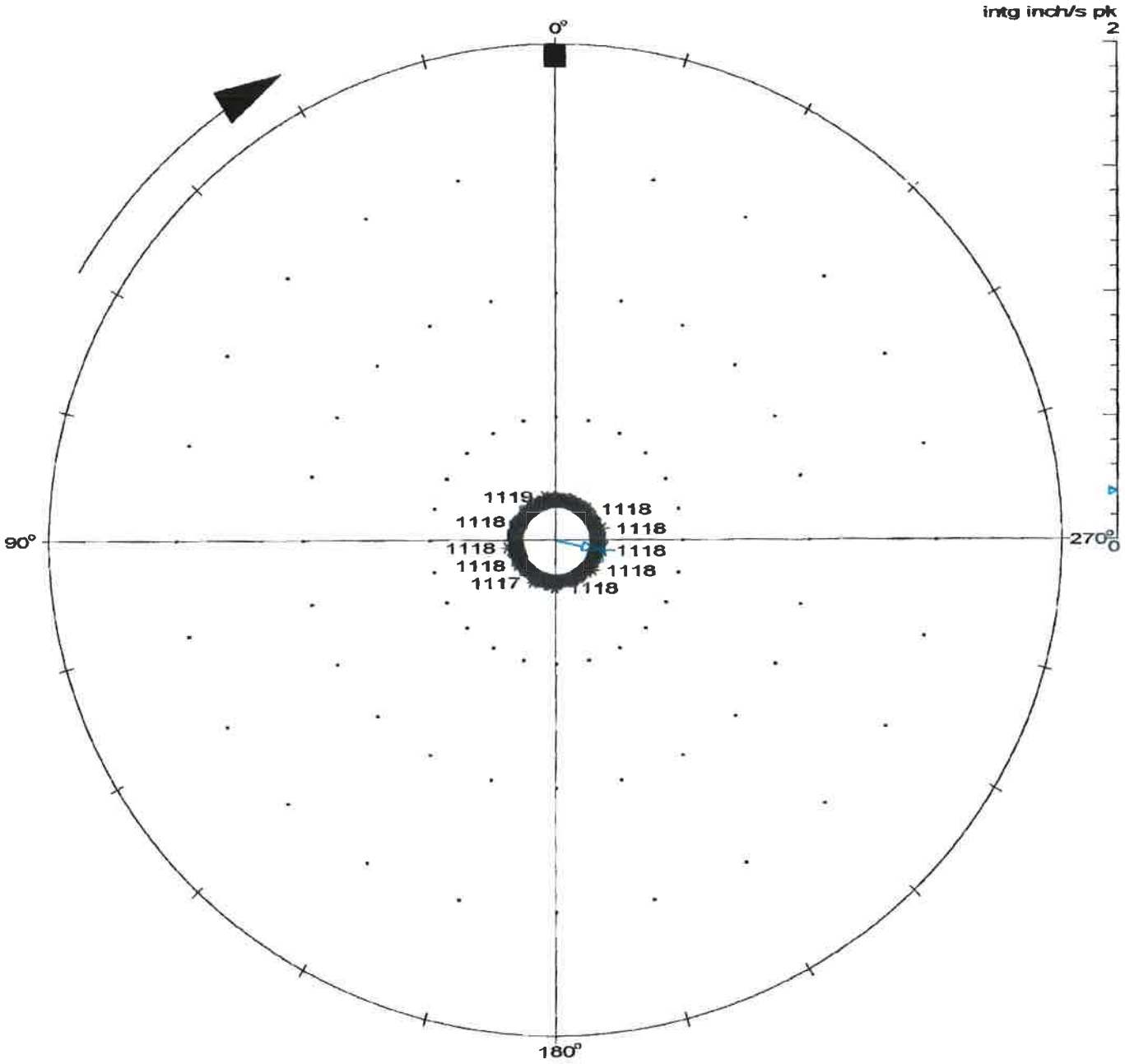
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 27
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 2X UNCOMP 0.193∠258° @1118 rpm
MACHINE: MOTOR
From 03FEB2012 08:39:58.2 To 03FEB2012 08:46:33.2 Startup



2 intg inch/s pk FULL SCALE

CW ROTATION

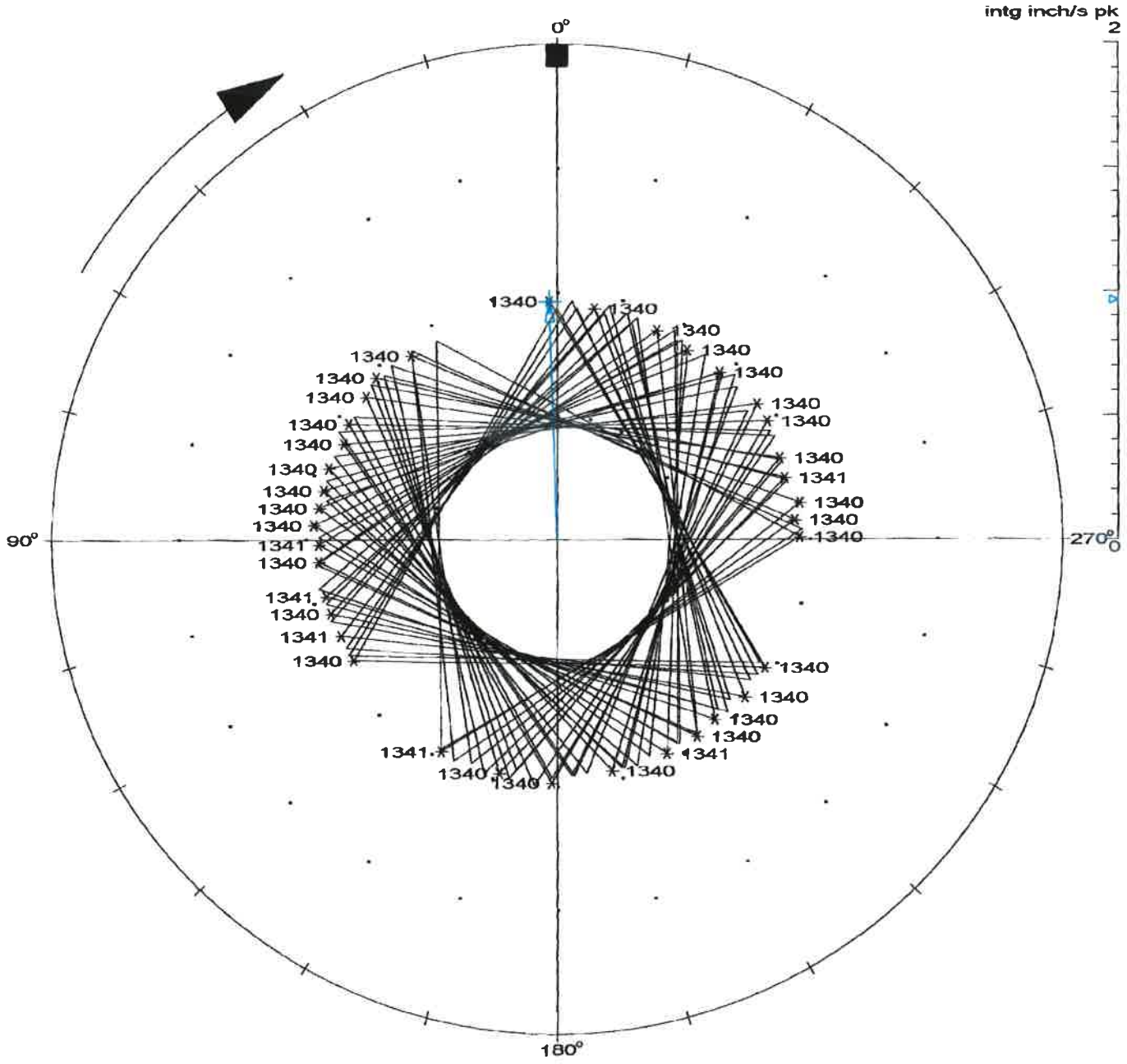
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 28
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 2X UNCOMP 0.962∠2° @1340 rpm
MACHINE: MOTOR
From 03FEB2012 08:48:26.2 To 03FEB2012 08:50:03.2 Startup



2 intg inch/s pk FULL SCALE

CW ROTATION

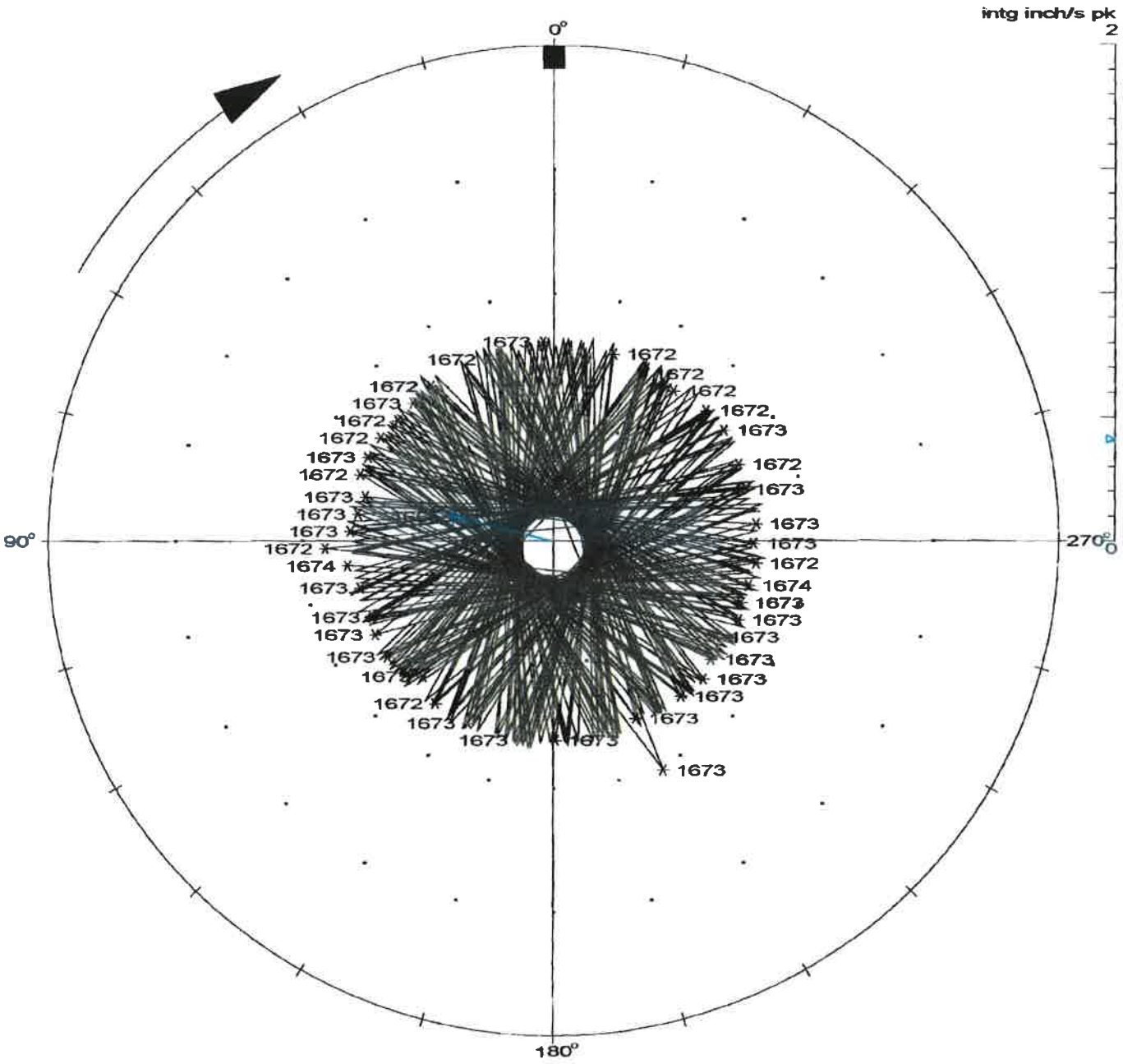
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 29
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 2X UNCOMP 0.407∠76° @1665 rpm
MACHINE: MOTOR
From 03FEB2012 08:51:27.4 To 03FEB2012 08:56:17.2 Startup



2 intg inch/s pk FULL SCALE

CW ROTATION

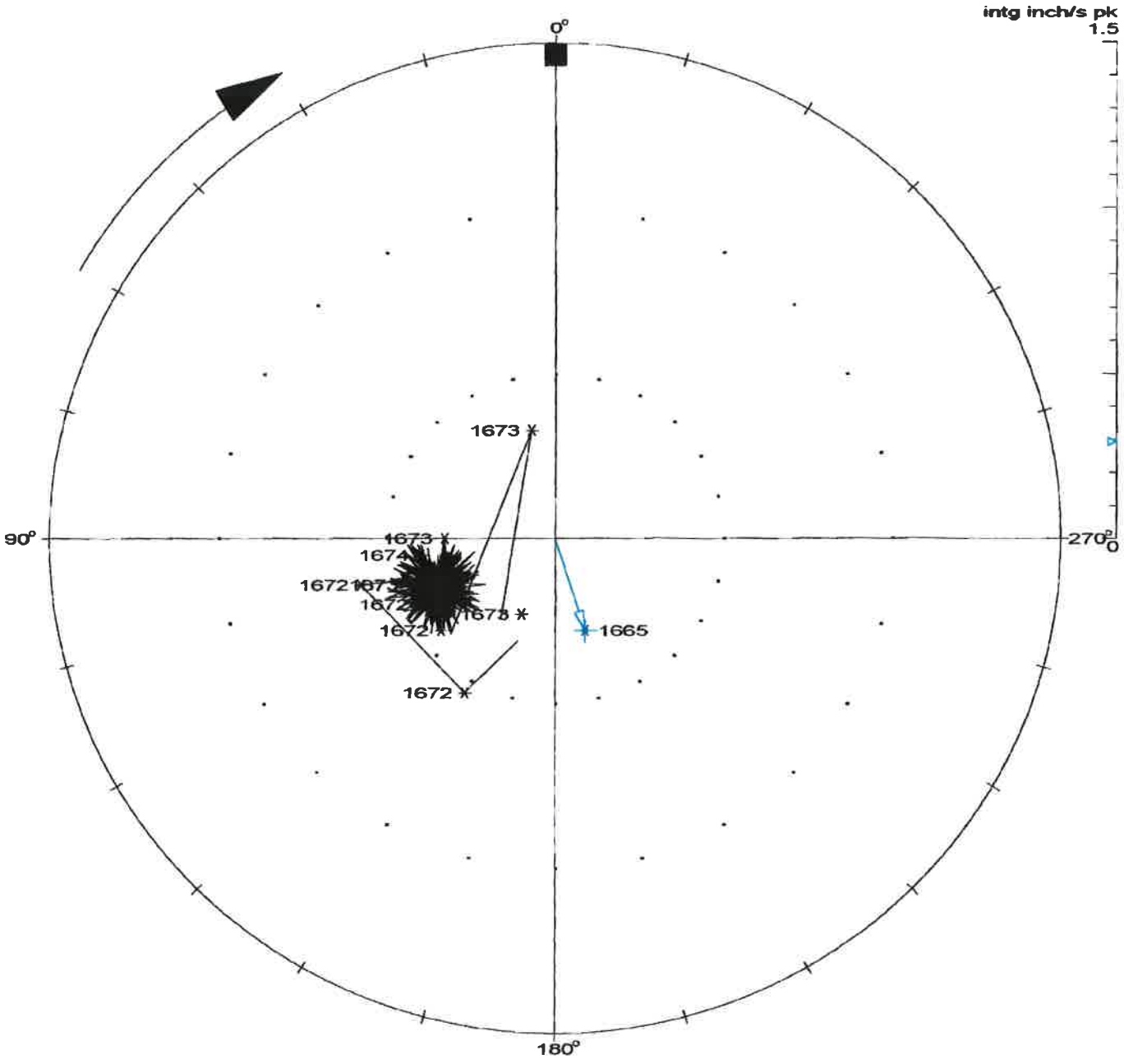
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 30
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB VERT ∠0° 1X UNCOMP 0.293∠198° @1665 rpm
MACHINE: MOTOR
From 03FEB2012 08:51:27.4 To 03FEB2012 08:56:17.2 Startup



1.5 intg inch/s pk FULL SCALE

CW ROTATION

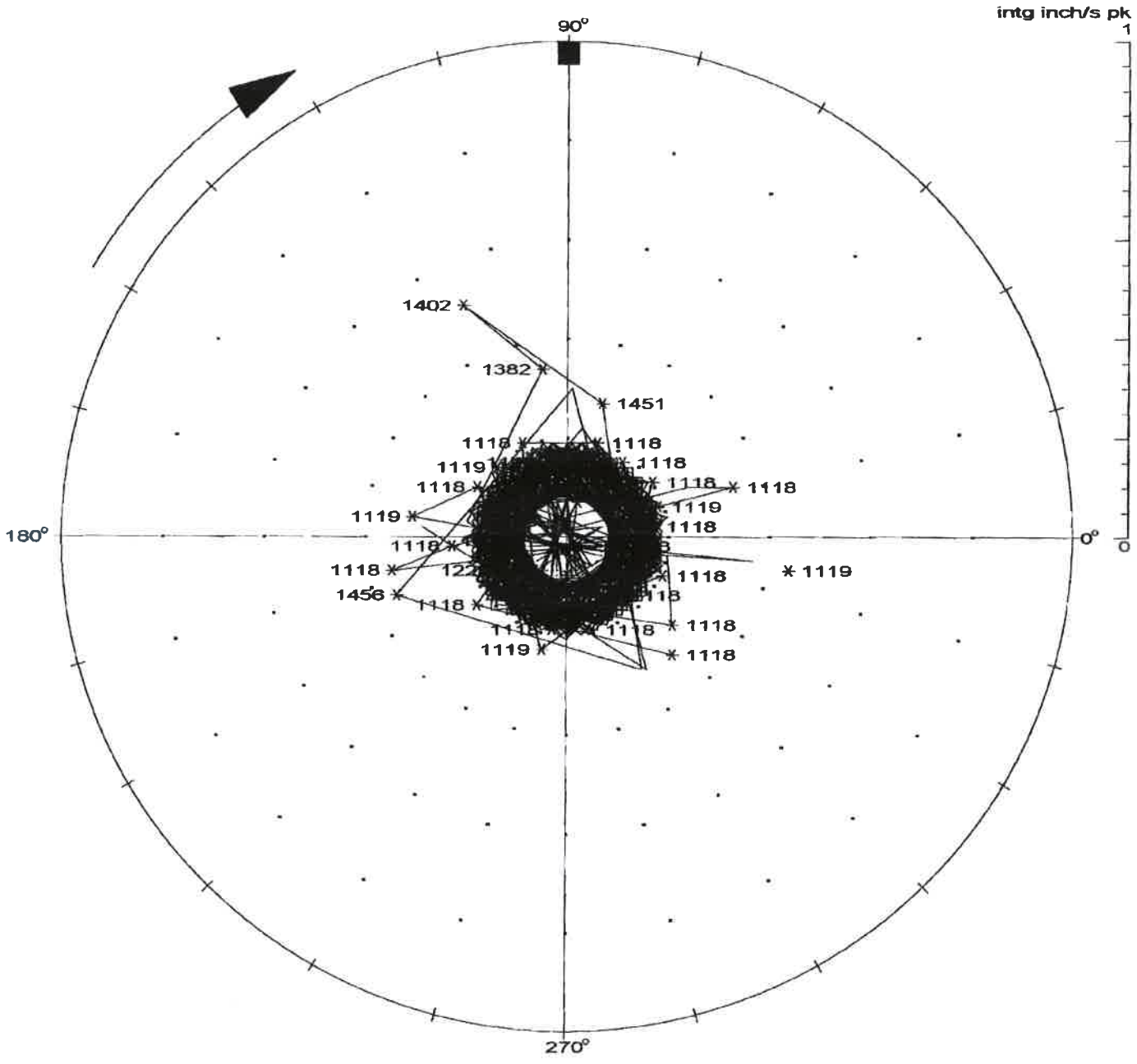
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 31
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 2X UNCOMP
MACHINE: MOTOR
From 03FEB2012 08:39:50.2 To 03FEB2012 08:57:21.2 Startup



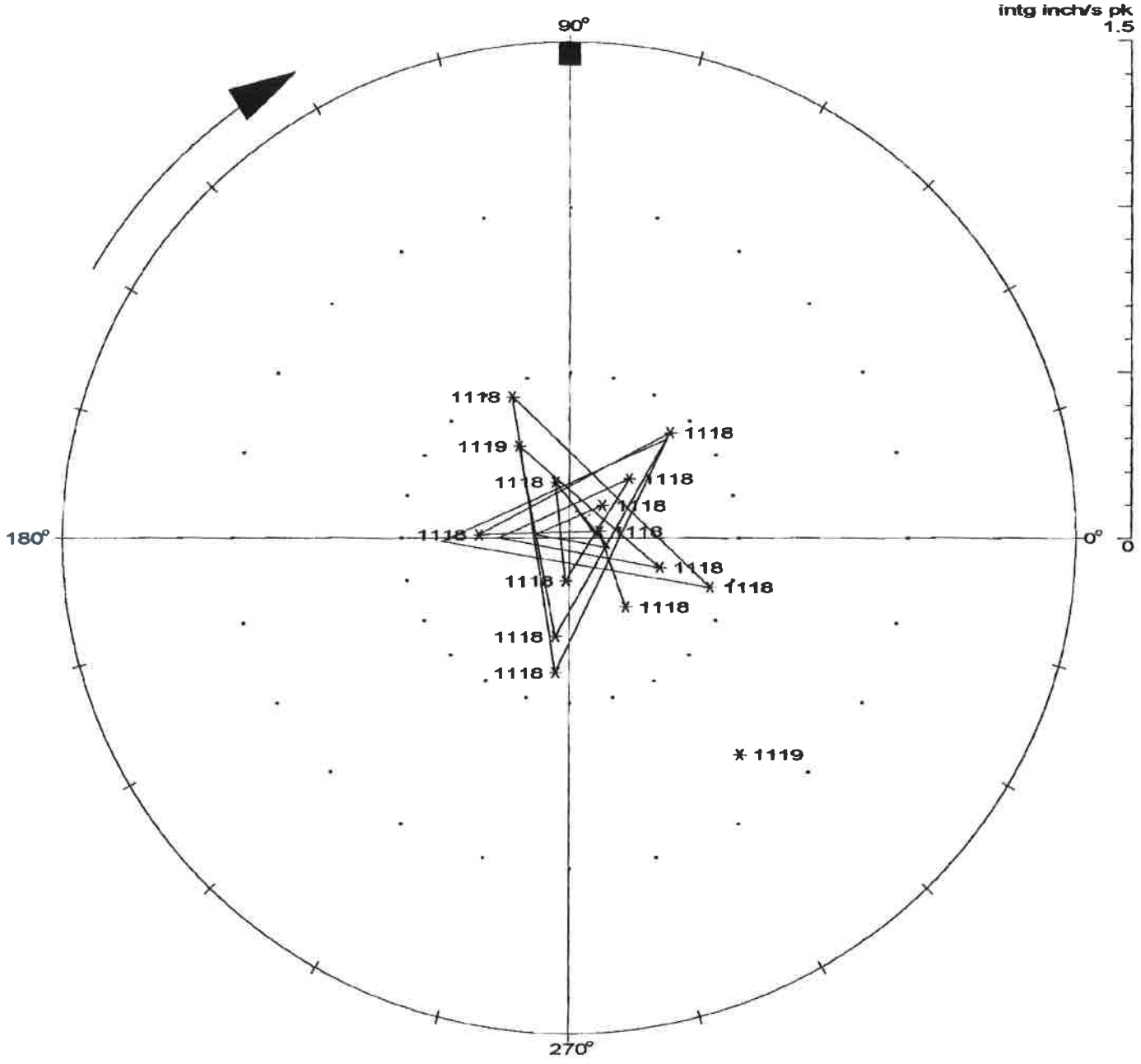
1 intg inch/s pk FULL SCALE

CW ROTATION
BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 32
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 1X UNCOMP
MACHINE: MOTOR
From 03FEB2012 08:39:58.2 To 03FEB2012 08:46:33.2 Startup



1.5 intg inch/s pk FULL SCALE

CW ROTATION

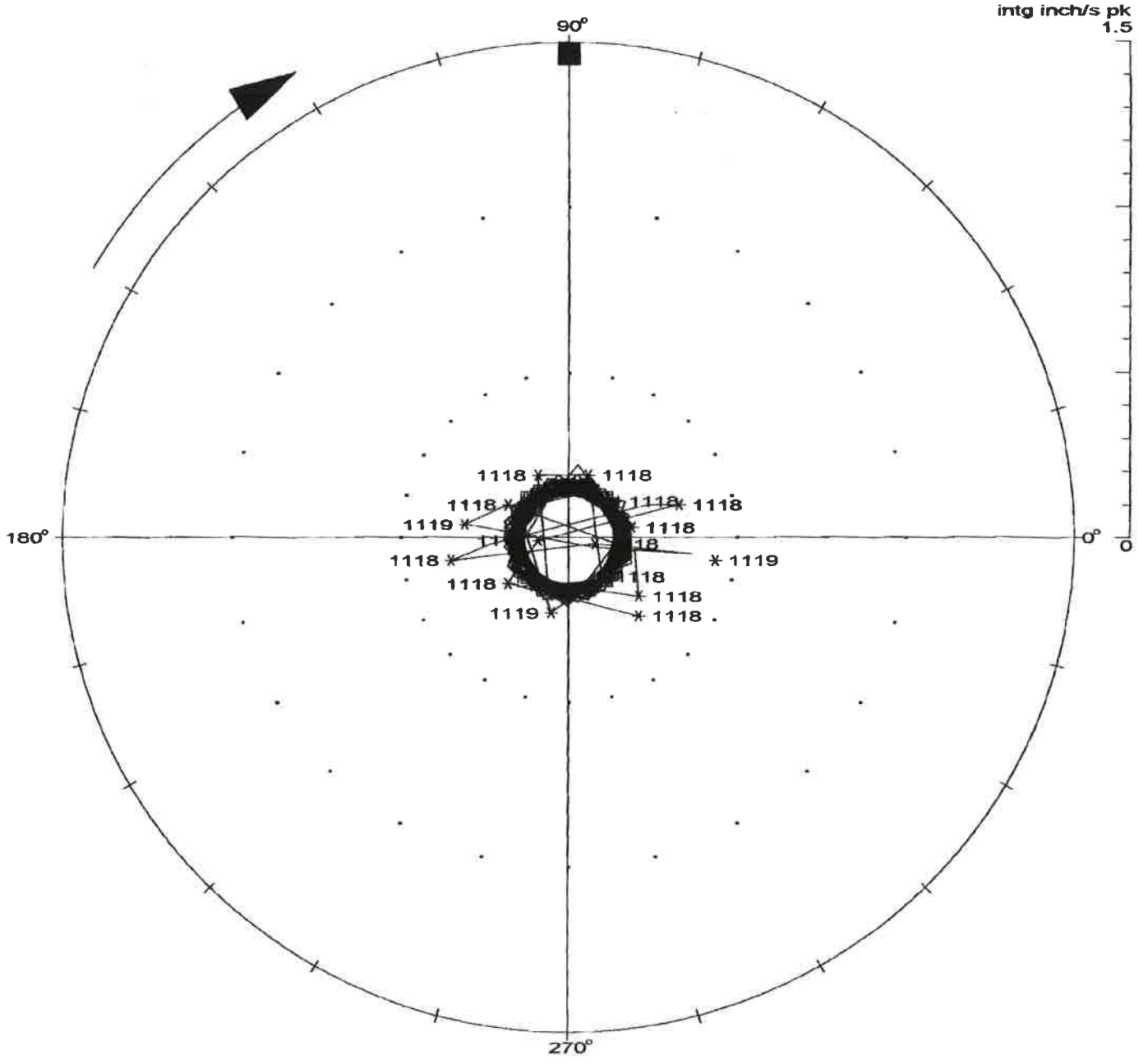
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 33
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 2X UNCOMP
MACHINE: MOTOR
From 03FEB2012 08:39:58.2 To 03FEB2012 08:46:33.2 Startup



1.5 intg inch/s pk FULL SCALE

CW ROTATION

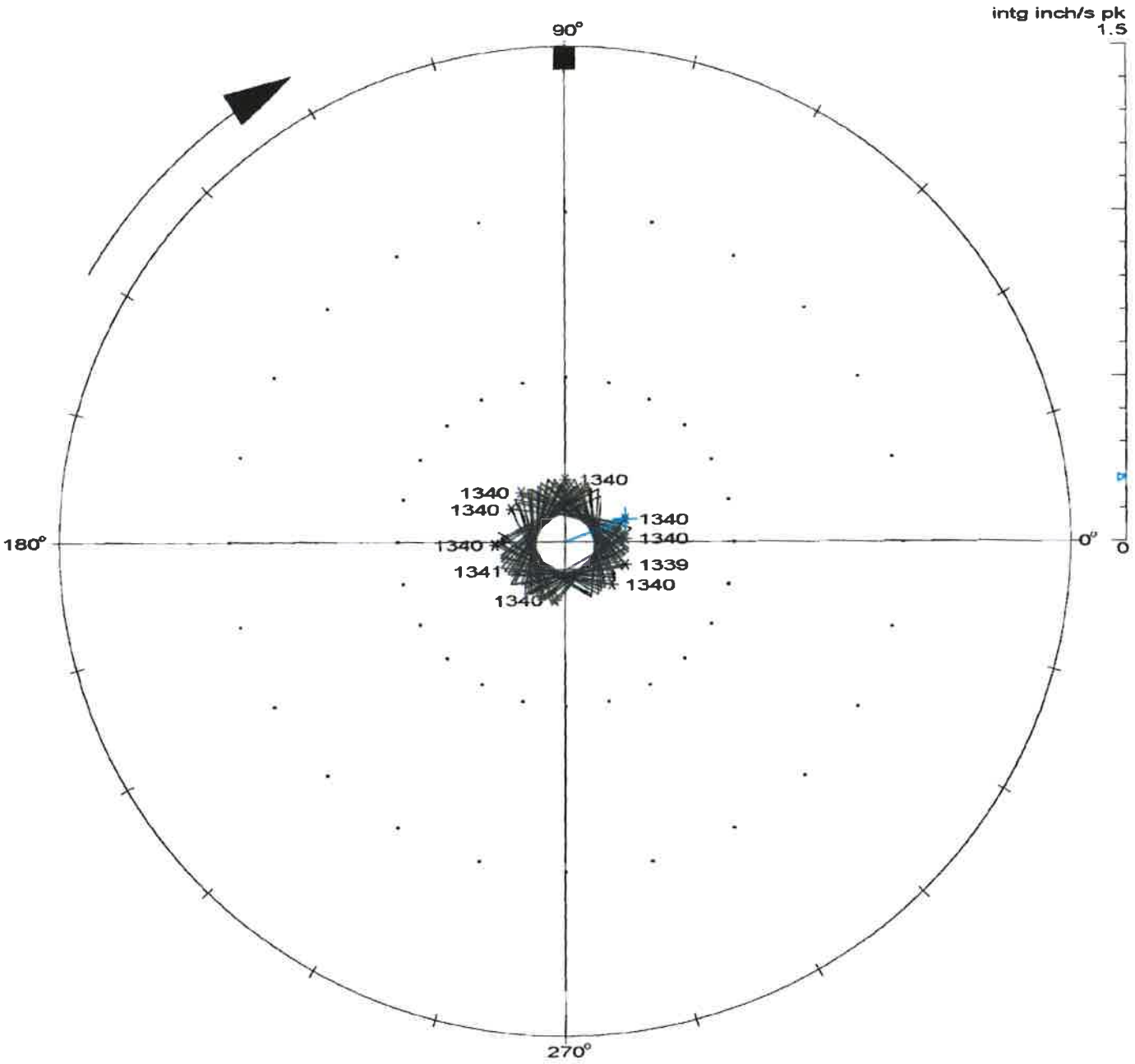
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 34
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 2X UNCOMP 0.193∠21° @1340 rpm
MACHINE: MOTOR
From 03FEB2012 08:48:26.2 To 03FEB2012 08:50:03.2 Startup



1.5 intg inch/s pk FULL SCALE

CW ROTATION

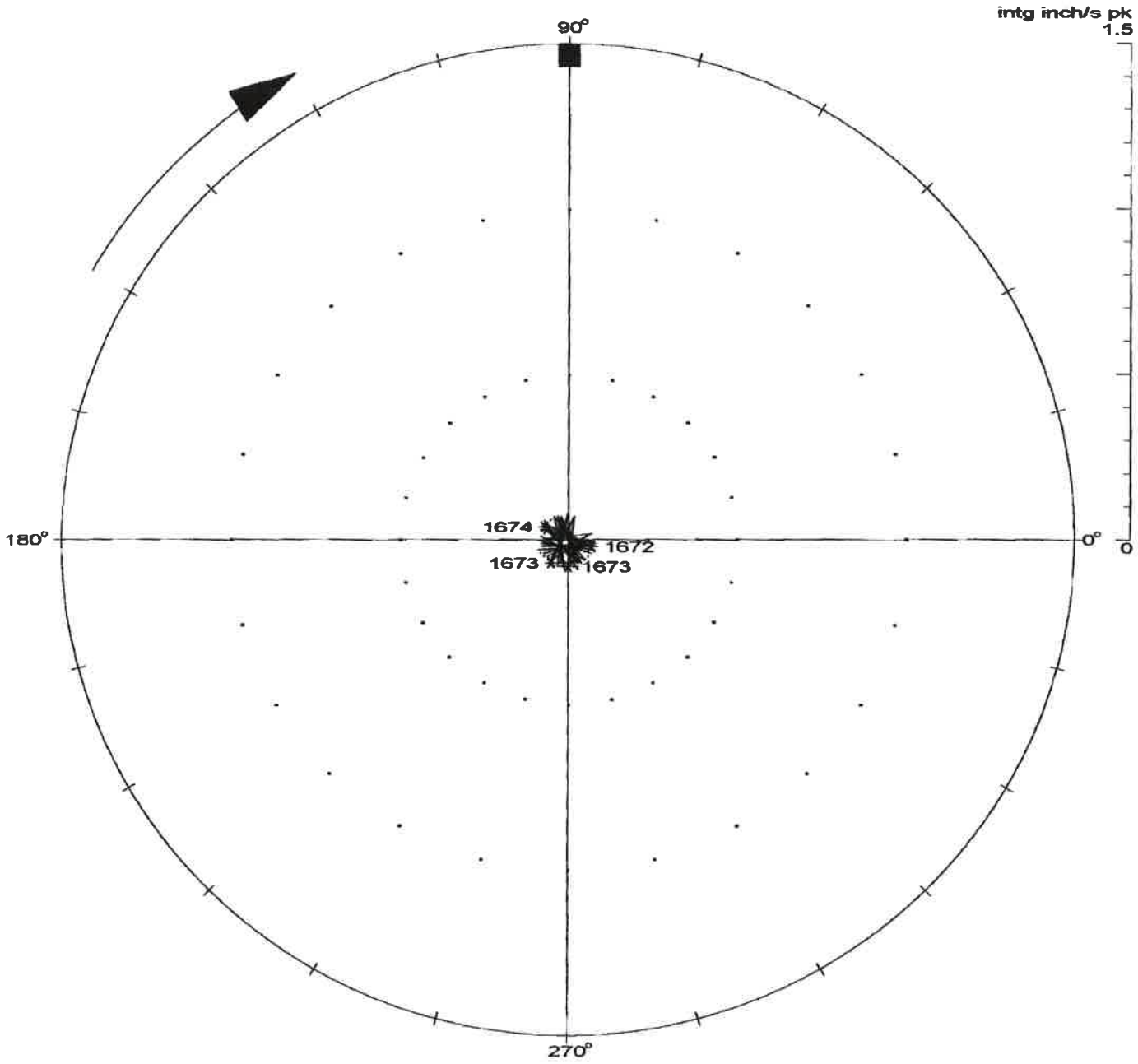
COMMENTS

BENTLY NEVADA

POLAR PLOT
COMPANY: [redacted]
MACHINE TRAIN: WP 1 PUMP

PLOT NO. 35
PLANT: [redacted]
JOB REFERENCE: [redacted]

POINT: MOTOR OB HORZ ∠90° Right 2X UNCOMP
MACHINE: MOTOR
From 03FEB2012 08:51:28.2 To 03FEB2012 08:57:21.2 Startup



1.5 intg inch/s pk FULL SCALE

CW ROTATION

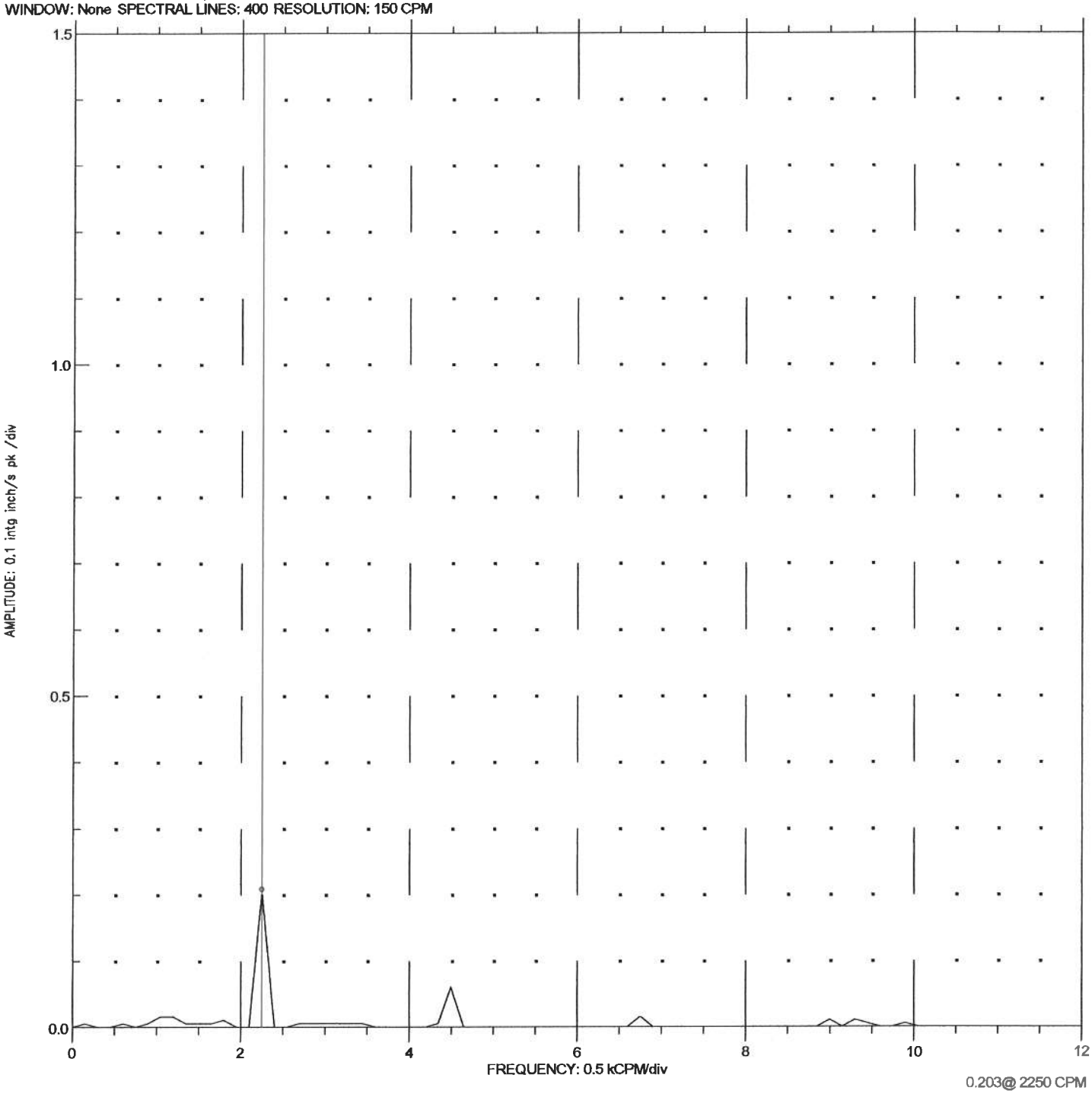
COMMENTS

BENTLY NEVADA

HALF SPECTRUM PLOT
COMPANY: BAE Systems
MACHINE TRAIN: WP 1 PUMP

PLOT NO._____
PLANT: Radar Station
JOB REFERENCE: 2153

POINT: MOTOR OB VERT ∠0° DIR AMPL: 0.308 intg inch/s pk
MACHINE: MOTOR MACHINE SPEED: 1118 rpm
03 FEB 2012 08:40:52.2 Startup
WINDOW: None SPECTRAL LINES: 400 RESOLUTION: 150 CPM



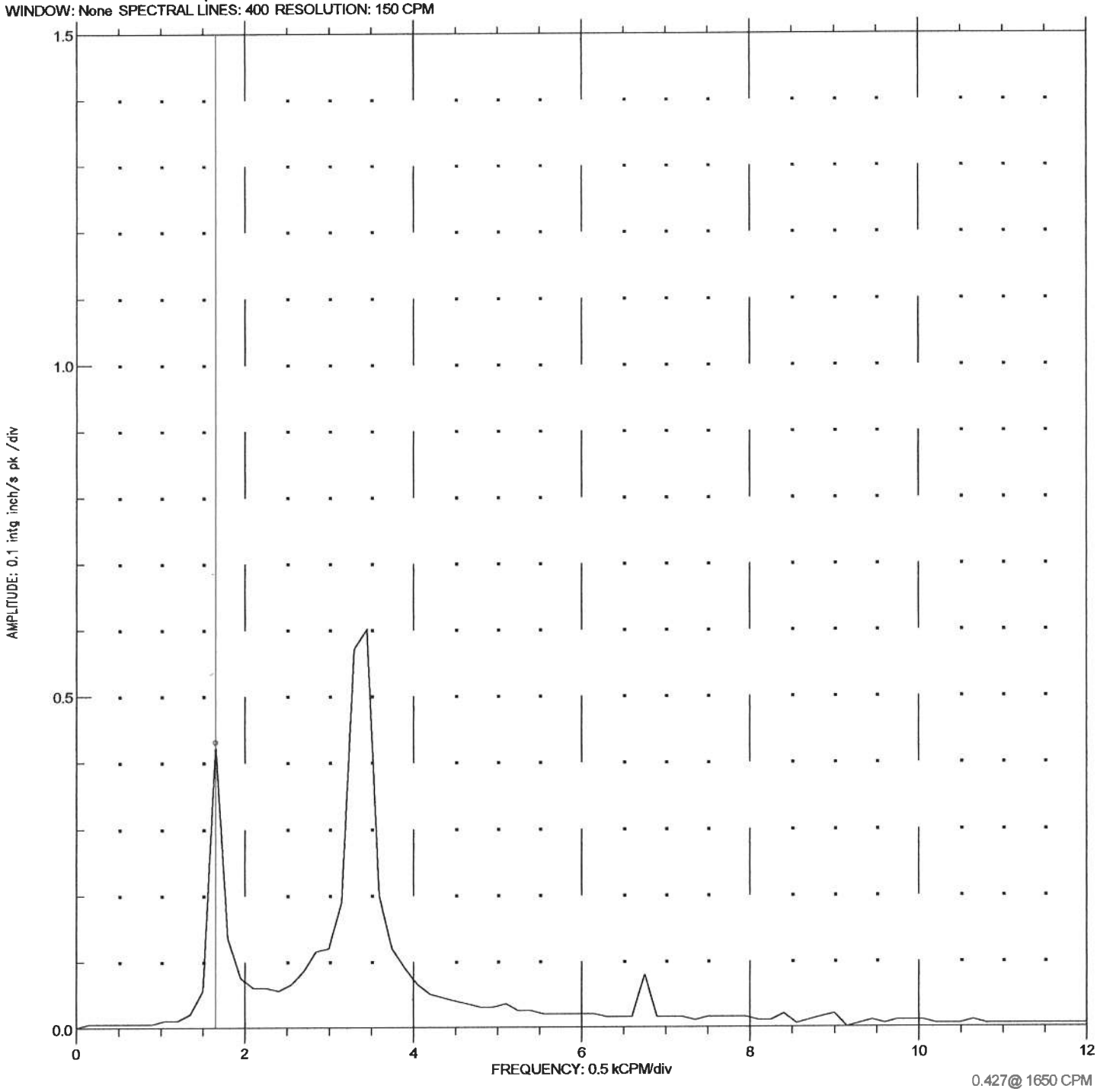
COMMENTS

BENTLY NEVADA®

HALF SPECTRUM PLOT
COMPANY: BAE Systems
MACHINE TRAIN: WP 1 PUMP

PLOT NO._____
PLANT: Radar Station
JOB REFERENCE: 2153

POINT: MOTOR OB VERT ∠0° DIR AMPL: 1.22 intg inch/s pk
MACHINE: MOTOR MACHINE SPEED: 1672 rpm
03 FEB 2012 08:52:48.2 Startup
WINDOW: None SPECTRAL LINES: 400 RESOLUTION: 150 CPM



0.427@ 1650 CPM

COMMENTS

BENTLY NEVADA®