

21-05-2024

THE PROCUREMENT DEPARTMENT,
AMBIKA DREDGING LIMITED,
C/O DEEP FRONTLINE SHIPPING COMPANY
COMPANY ACCOUNT DETAILS;

CLIENTS : AMBIKA DREDGING LIMITED

LOCATION : SSDD

EQUIPMENT : SHAFT

SERVICE : DYNAMIC BALANCING OF FOUR SHAFTS

REPOR GENERATED BY : EKE IIBI EDUGHOM

PICTURE OF SHAFT BELOW



JOB SCOPE:

DYNAMIC BALANCING OF FOUR (4) SHAFT

DATE: 19.05.2024**HSE:**

- ☐ Toolbox meeting

Activities last 24h:

- Cleaning shafts and removing high spot
- Taken the shaft weigh, 170kg
- shaft set up on dynamic balancing machine
- Visual inspection on the rotor ☐ Balancing machine set up
- Test run the initial shown on picture below,
- **OUT OF TOLERANCE.** ☐ Continued removing the unrequired weight until the shaft is **WITHIN TOLERANCE** ☐ **FINAL** run shows shafts **WITHIN TOLERANCE.**

Planned activities next 24h:

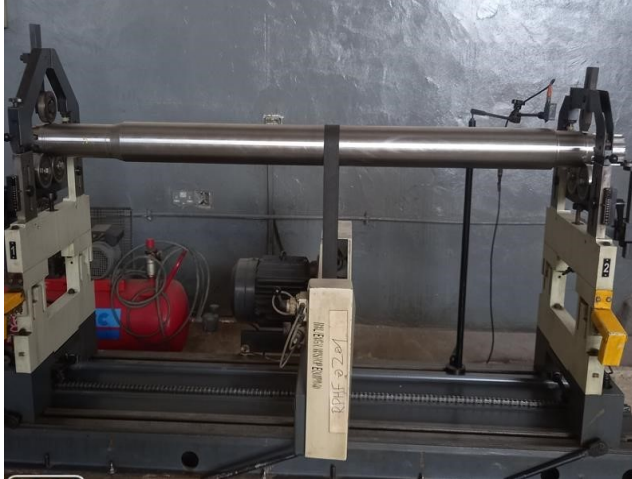
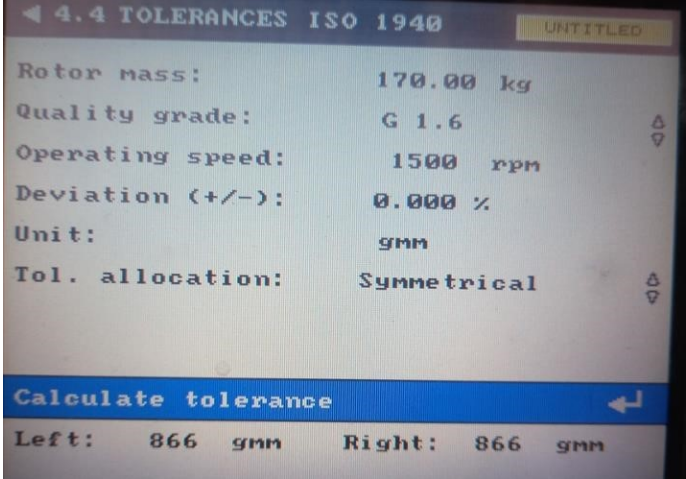
- Load shafts to truck
- Delivered to customer.

Status:

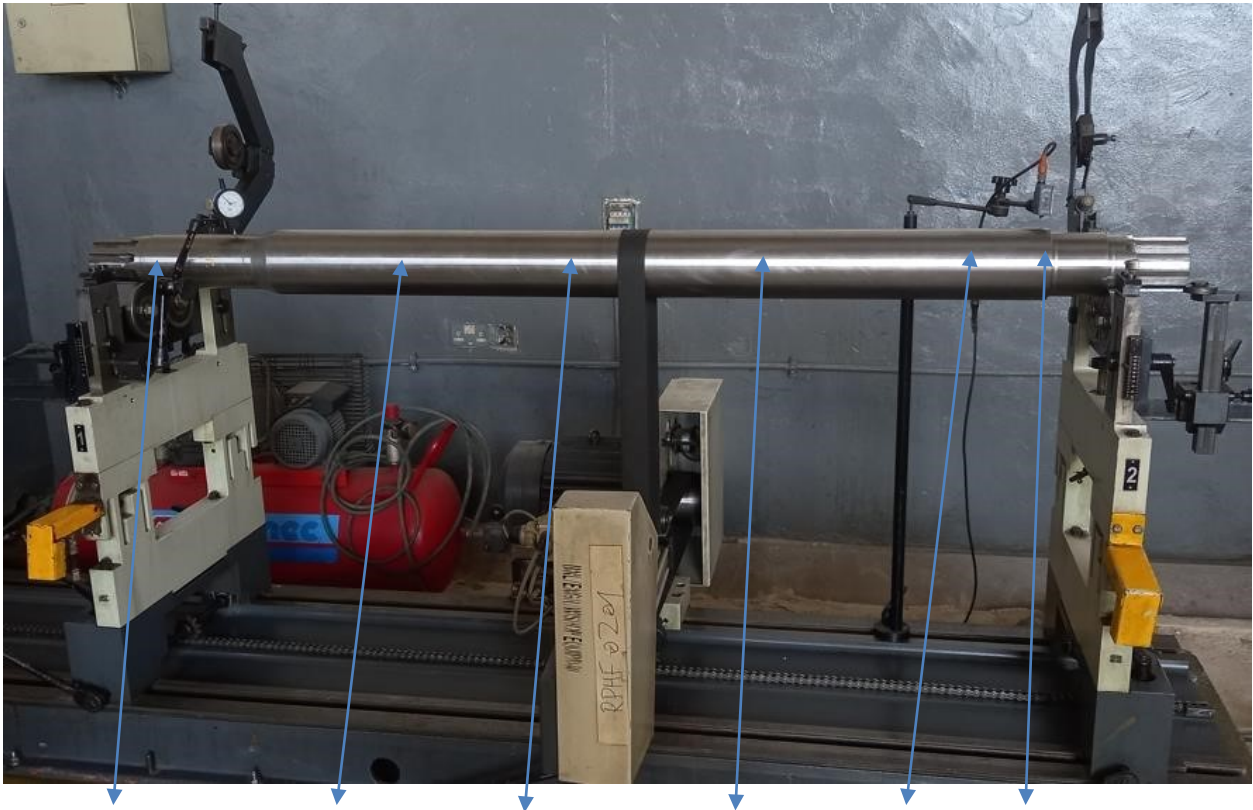
- ☐ **100 completed.**

Areas of concerns/Comments

Shafts are within the **ACCEPTABLE TOLERANCE.**

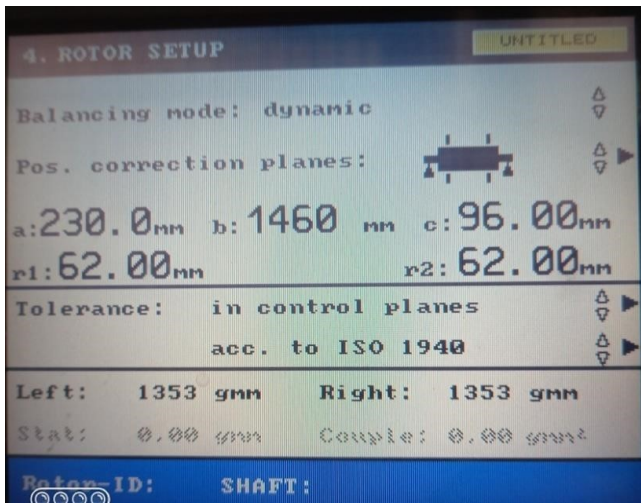
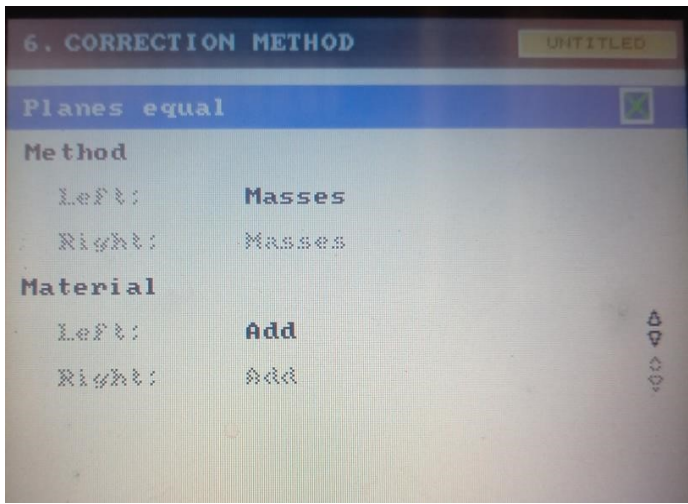


WEIGHT OF SHAFT ONE= 170KG



□ All four shafts are fit for use.

	A	B	C	D	E	F	
S/N	A	B	B	C	D	E	F
TIR	0	0.01mm	0.02mm	0.02mm	0.01mm	0.01mm	0



DYNAMIC BALANCING MACHINE SET UP COMPLETED.



INITIAL READING RUN OUT



FINAL READING RUN OUT

SECOND SHAFT

DATE: 18.05.2024

HSE:

- ☐ Toolbox meeting

Activities last 24h:

- Cleaning shafts and removing high spots
- shaft weight, 128kg
- shaft set up on dynamic balancing machine
- Visual inspection on shaft
- Balancing machine set up
- Test run the **initial**..... shown on the picture, **OUT OF TOLERANCE**. ☐ Continued adding the required weight untill the shaft is **WITHIN TOLERANCE**.
- TOLERANCE** ☐ **FINAL** run shown that the shaft is **WITHIN TOLERANCE**.

Planned activities next 24h:

- Loading to truck
- Delivered to customer.

Status:

- ☐ 100 completed.



Areas of concerns/Comments

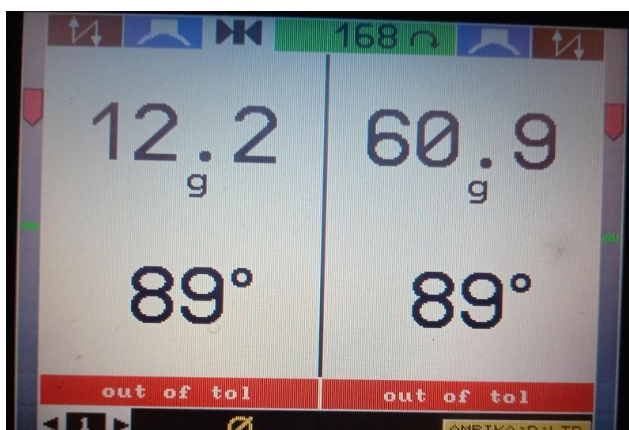
□ Shaft is within the **ACCEPTABLE TOLERANCE**. □
 Shaft Is in perfect used.

Weight: 128kg

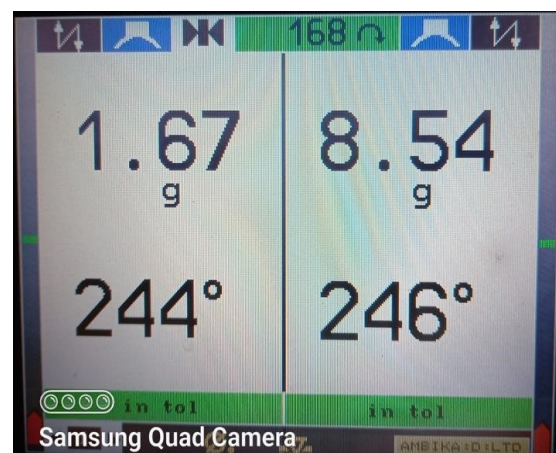
BALANCING MACHINE SET UP.

S/N	A	B	B	C	D	E	F
TIR	0	0.01mm	0.02mm	0.01mm	0.01mm	0.02mm	0

Run-out check.



INITIAL READING



FINAL READING

THIRD SHIFT

DATE: 18.05.2024

Activities last 24h:

- Cleaning shaft and removing high spot
- Shaft weigh, 440kg
- Set up shaft on balancing machine
- Visual inspection on the rotor
- Balancing machine set up
- Test run the **initial** shown on the picture, **out of tolerance**. ☐ Continued adding the required weight until the shaft is within tolerance ☐ **Final** run shown that the shaft is **within tolerance**.

Planned activities next 24h:

- Loading to truck
- Delivery to customer.

Status:

- ☐ 100 completed.

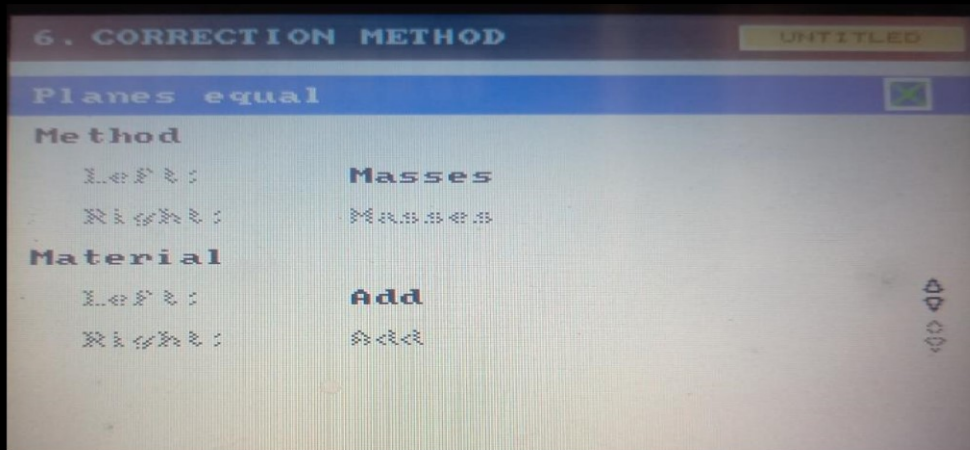
Areas of concerns/Comments

- ☐ The shaft is within the acceptable tolerance.
- ☐ The shaft is fit to be used.

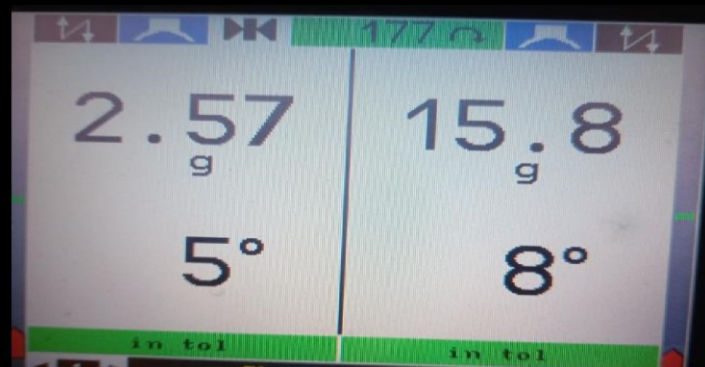


Weight 440kg

TIR 0 0.01mm 0.03mm 0.01mm 0.01mm 0.0mm 0



INITIAL READING.



FINAL READING

FOURTH SHAFT

DATE: 18.05.2024

HSE:

- ☐ Toolbox meeting

Activities last 24h:

- Cleaning shaft and removing high spot
- Shaft weight, 128kg
- Set up shaft on balancing machine
- Visual inspection on the rotor ☐ Balancing machine set up
- Test run the **INITIAL** shown on the picture, **OUT OF TOLERANCE**. ☐ Continued removing the required weight until the shaft is **WITHIN TOLERANCE** ☐ **FINAL** run shown that the shaft is **WITHIN TOLERANCE**.

Planned activities next 24h:

- Loading to truck
- Delivery to customer.

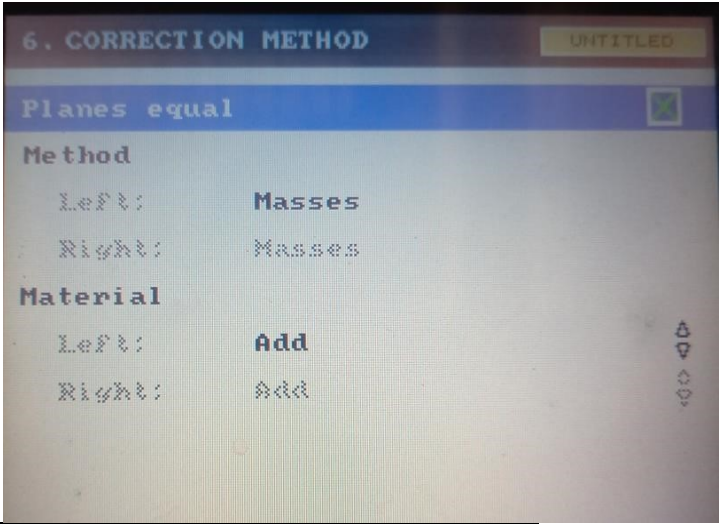
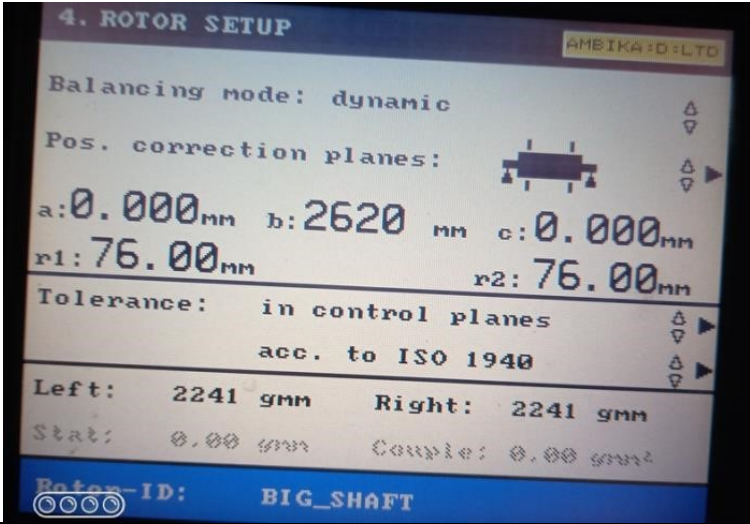
Status:

- ☐ 100 completed.

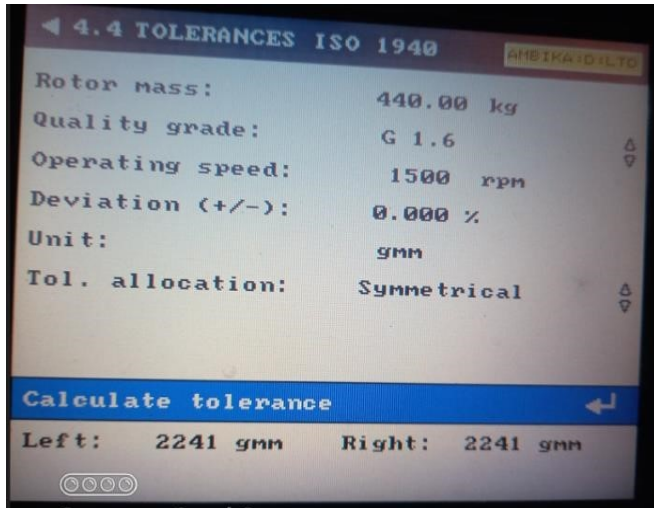
Areas of concerns/Comments

- The shaft is within the acceptable tolerance.
- The shaft is fite to used.

MACHINE SET UP



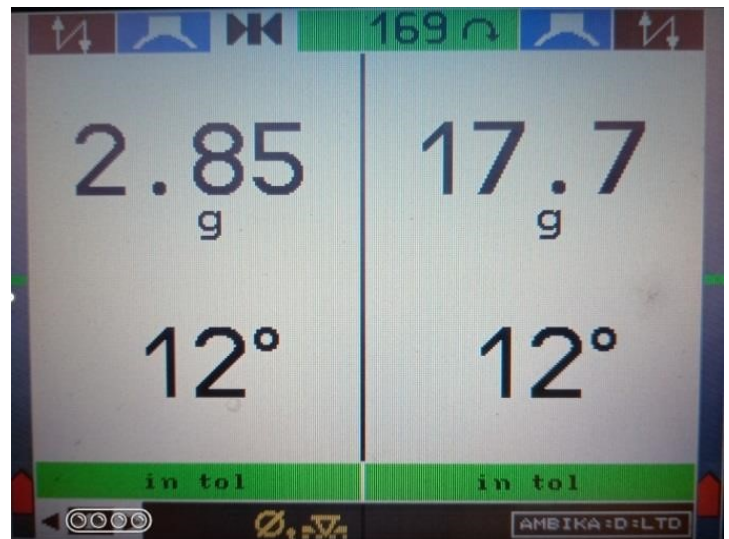
	A	B	B	C	D	E	F
TIR	0	0.01mm	0.01mm	0.01mm	0.01mm	0.02mm	0



Adding required weight to shaft



INITIAL READINGS



FINAL READING

