Fork inspection protocol

VETTER® Forks, Inc.

Com. No. _____

Forklift model _____

Serial No. _____

Fork stamping _____

Fork size

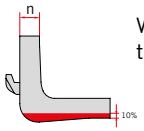
- Width _____ mm / in
- Thickness _____ mm / in
- Blade length _____ mm / in
- Mounting _____

Note
As soon as the stamping becomes illegible the fork must be taken out of service.

1. Wear

Nominal thickness „N“ - 10 %

⇨ **Replace!**



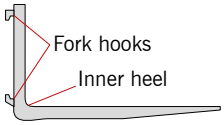
Wear mainly occurs in the outer heel section.
Wear area „n“ - 10%
= **Replace forks!**

Results ☐ OK ☐ **NOT** OK
mm/inch Comments _____

2. Surface cracks

Crack detection

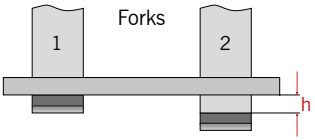
⇨ **Replace!**



☐ OK ☐ **NOT** OK
Comments _____

3. Height difference fork tip

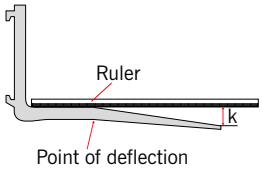
Acceptable: h max. = $\frac{L^*}{66}$
Level fork: h = $\frac{L^*}{66}$ to $\frac{L^*}{33}$
Replace fork: h more than $\frac{L^*}{33}$



Results ☐ OK ☐ **NOT** OK
mm/inch Comments _____

4. Deflection of blade

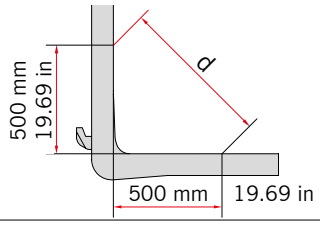
Acceptable: k max. = $\frac{L^*}{66}$
Level fork: k = $\frac{L^*}{66}$ to $\frac{L^*}{33}$
Replace fork: k more than $\frac{L^*}{33}$



Results ☐ OK ☐ **NOT** OK
mm/inch Comments _____

5. Angularity d

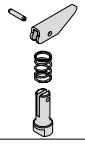
Ideal 90°: 707 mm / 27.83 in
Acceptable: 695-713 mm / 27.36-28.07 in
Level fork: 714-730 mm / 28.11-28.74 in
Replace fork: > 730 mm / > 28.74 in



Results ☐ OK ☐ **NOT** OK
mm/inch Comments _____

Note:
Sometimes forks are used with deviant angular dimensions for special cases. Please check before inspection!

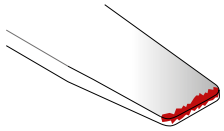
6. Locking device functionality



Locking device, consisting of:
Locking bolt, spring and lever

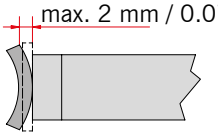
☐ OK ☐ **NOT** OK
Comments _____

7. Damage of tip



☐ OK ☐ **NOT** OK
Comments _____

8. Bending up / wear of hook



☐ OK ☐ **NOT** OK
Comments _____

Result

Important: Forks should always be replaced in pairs as a damage of one fork implies that also the other fork shows resp. will show corresponding damages.

☐ Forks OK ☐ Forks **NOT** OK
⇨ ☐ Scrap! / Replace
⇨ ☐ Repair

Name auditor _____
Date _____
Signature _____

***L = blade length (mm/in)**

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