



Workshop of the Future

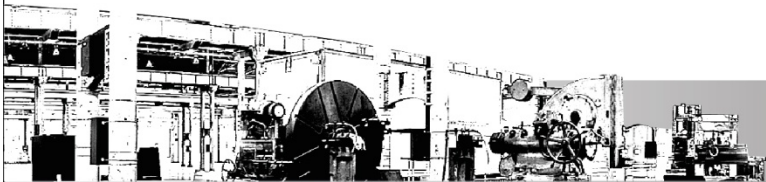
Chairman - Peter Hart

ARTSA



Issues & Considerations

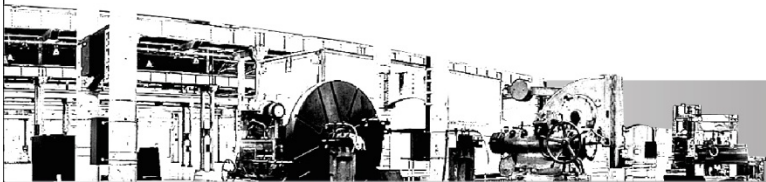
Some Issues in the Workshop of the Future



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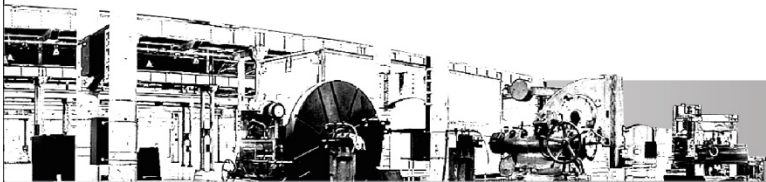
- Finding and holding diesel mechanics



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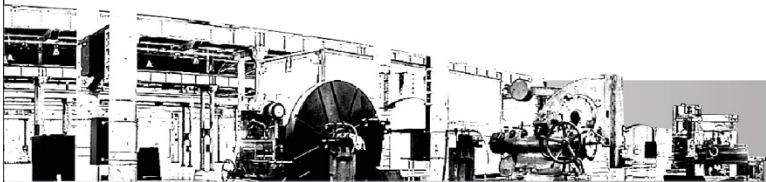
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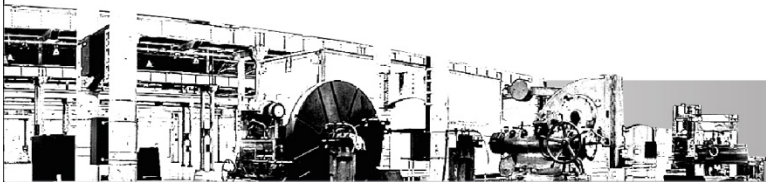
- Finding and holding diesel mechanics
- Career development of staff
- Diagnosing complex electronic systems



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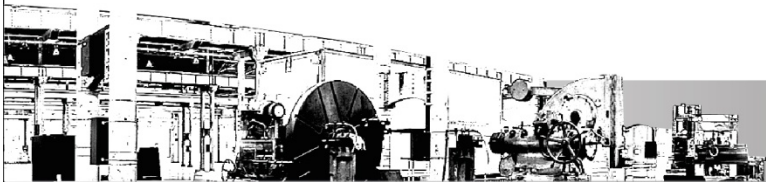
- Finding and holding diesel mechanics
- Career development of staff
- Diagnosing complex electronic systems
- Availability of service information from OEMs



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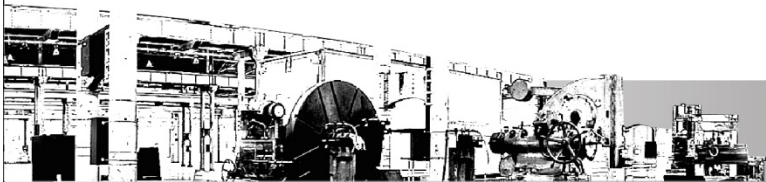
- Finding and holding diesel mechanics
- Career development of staff
- Diagnosing complex electronic systems
- Availability of service information from OEMs
- Intelligent maintenance scheduling - Telemetry



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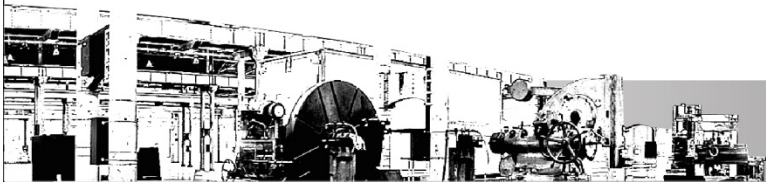
- Quality assurance of repairs



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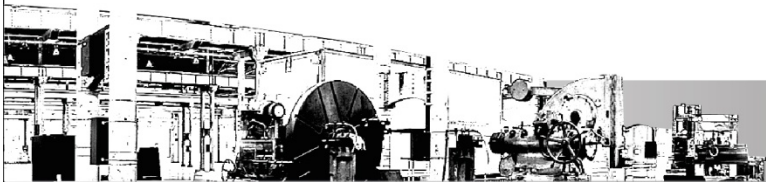
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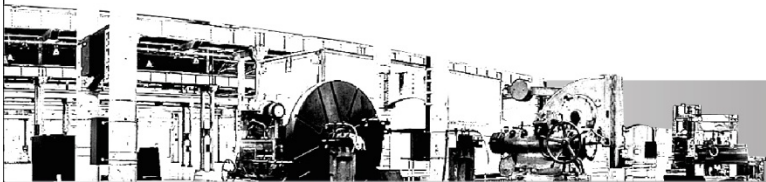
- Quality assurance of repairs
- Occupational health and safety
- Interfacing the Workshop job sheets with the business system



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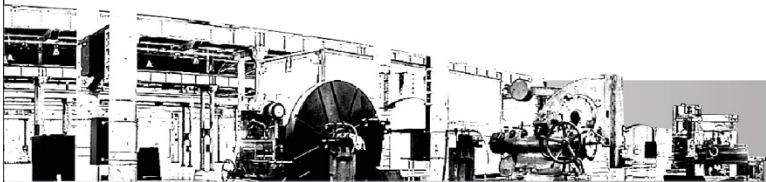




Safety Planning

Principles:

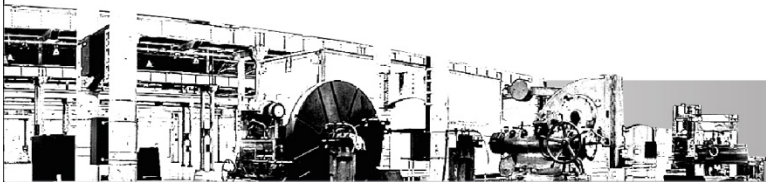
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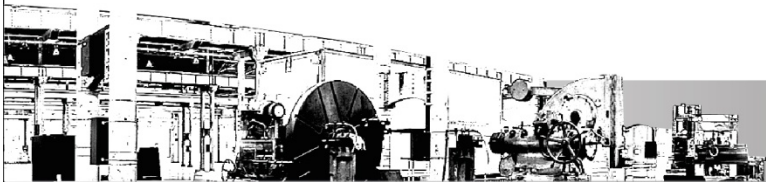
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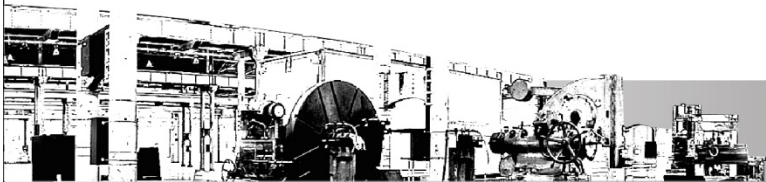
- The common hazards can be identified beforehand.
- The risk (likelihood) of a particular hazard occurring can be estimated.
- The risk levels must be Low (tolerable) or Very Low (desirable).



Safety Checklist

A safety checklist is necessary, particularly for unfamiliar work or situations.

- The purpose is to make the mechanics stop and ask:
What could reasonably go wrong ?



Safety Checklist

HAZARD	HOW	RISK LEVEL IN THIS SITUATION	NECESSARY PROTECTION
Road safety risk	Struck by passing vehicle. Dangerous location causes crash. Dark conditions.	High> Stop Mid> Stop Low —————→ Very Low> OK	Put out triangles. Move vehicle. Flashing lights
Truck roll away	Park brakes released for repair. Inadequate wheel chocks. On slope. Heavy truck, bad brakes.	High> Stop Mid> Stop Low —————→ Very Low> OK	Add more effective wheel chocks. Driver stays in the cabin with foot on brakes.
Struck by moving part	Working in engine bay. Part broke off. Vehicle moves unexpectedly. Engine running.	High> Stop Mid> Stop Low —————→ Very Low> OK	Put up a temporary barrier. Stop the engine. Keep out of 'spray line'.
Burnt against hot part	Working near turbo. Fell onto exhaust. Hot oil spray.	High> Stop Mid> Stop Low —————→ Very Low> OK	Put up a temporary barrier. Check oil fitting tightness.
Example of some of the hazards that should be included on a risk assessment sheet for roadside mechanical work.			

