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| **Information about failures** |
| **KDI 1903 M Owner Manual (Rev\_14.2)** |



Sommario

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# Information about failures

## Useful information about failures

* This chapter contains information about the problems that may appear during engine operation with its causes and trouble shooting **Tab. 7.2** .
* In some cases, you shall turn off the engine immediately to avoid further damage **Tab. 7.1** .

 **Tab 7.1**

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| **THE ENGINE MUST BE IMMEDIATELY TURNED OFF WHEN:** |
| 1 | The engine rpms suddenly increase and decrease |
| 2 | A sudden and/or unusual noise is heard |
| 3 | The colour of the exhaust fumes suddenly darkens |
| 4 | The oil pressure indicator light turns on while running |

**Tab 7.2**

|  |  |  |  |
| --- | --- | --- | --- |
| **TROUBLES** | **POSSIBLE CAUSE** | **SOLUTION** | **PAR.** |
| The engine does not start | Sulphated battery terminals corroded | Clean the battery terminals | **--** |
| Battery voltage too low | Recharge the battery or replace it | **--** |
| Low fuel level | Refuel | [**4.4**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=227&parent=1105) |
| Frozen fuel | Contact **KOHLER** authorised workshops | **--** |
| Clogged fuel filter | Replace with a new filter | [**6.4**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=248&parent=1105) |
| Air suction in fuel system | Contact **KOHLER** authorised workshops | **--** |
| Clogged air filter | Replace with a new filter | [**6.5**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=249&parent=1105) |
| Clogged pipes | Contact **KOHLER** authorised workshops | **--** |
| Open fuse | Replace with a new fuse; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Intake or exhaust system clogged | Contact **KOHLER** authorised workshops | **--** |
| Engine starts but stops | Inefficient electrical connections | Clean the electrical contacts; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Sulphated battery terminals | Clean the battery terminals | **--** |
| Clogged fuel filter | Replace with a new filter and clean the tank | **--** |
| Clogged fuel pipes | Contact **KOHLER** authorised workshops | **--** |
| RPM instability at idle speed | Clogged fuel pipes | Contact **KOHLER** authorised workshops | **--** |
| Low idle speed | Clogged fuel pipes | Contact **KOHLER** authorised workshops | **--** |
| Poor quality fuel | Clean the tank and refuel with quality fuel | [**2.5**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=214&parent=1105) |
| Blue smoke | High oil sump level | Replace the engine oil; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Clogged air filter | Replace with a new filter | [**6.5**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=249&parent=1105) |
| Excessive fuel consumption | Clogged air filter | Replace with a new filter | [**6.5**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=249&parent=1105) |
| High oil sump level | Replace the engine oil; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Engine lost its initial performance | Clogged air filter | Replace with a new filter | [**6.5**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=249&parent=1105) |
| Clogged fuel pipes | Contact **KOHLER** authorised workshops | **--** |
| Cheap fuel | Clean the tank and refuel with quality fuel |  |
| High oil sump level | Replace the engine oil; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Slow acceleration | Clogged fuel filter | Replace the fuel filter | [**6.4**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=248&parent=1105) |
| Engine jerking | Clogged fuel pipes | Contact **KOHLER** authorised workshops |  |
| Engine overheats | Insufficient coolant level | Fill up to the level | [**4.6**](https://iservice.lombardini.it/jsp/Template2/manuale.jsp?id=229&parent=1105) |
| High oil sump level | Replace the engine oil; if the problem persists, contact **KOHLER** authorised workshops | **--** |
| Clogged radiator | Clean the radiator; if the problem persists, contact **KOHLER** authorised workshops | **--** |

In the event that the solutions proposed in **Tab. 7.2** do not eliminate the trouble, contact a **KOHLER** authorized workshop.

