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| **Information about failures** |
| **KSD 1403 Workshop Manual (Rev. 00\_DRAFT\_01)** |



**Registration of modifications to the document**

Any modifications to this document must be registered by the drafting body, by completing the following table.

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| **Released by** | **Code** | **Revision** | **Release Date** | **Revision date** | **Edited by** | **Endorsed** |
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**Translated from the original manual in Italian language**

Data reported in this issue can be modified at any time by KOHLER.

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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. 5.2** .
* In some cases, you shall turn off the engine immediately to avoid further damage **Tab.** **5.1** .

**5.1**

|  |  |
| --- | --- |
| **THE ENGINE MUST BE IMMEDIATELY TURNED OFF WHEN** | |
| 1 | Warning RED light turn on |
| 2 | The oil pressure indicator light turns on while running |
| 3 | The engine rpms suddenly increase and decrease |
| 4 | A sudden and/or unusual noise is heard |
| 5 | Colour the exhaust fumes suddenly darkens |

**5.2**

|  |  |  |
| --- | --- | --- |
| **TROUBLES** | **POSSIBLE CAUSE** | **SOLUTION** |
| Warning YELLOW light turn on | Engine ECU has detect a malfunctions | Contact **KOHLER** authorised workshops |
| 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 |
| Frozen fuel | Contact **KOHLER** authorised workshops |
| Clogged fuel filter | Replace with a new filter |
| Air suction in fuel system | Contact **KOHLER** authorised workshops |
| Clogged air filter | Replace with a new filter |
| Clogged pipes | Contact **KOHLER** authorised workshops |
| Intake or exhaust system clogged | 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 |
| Engine doesn't rev up | Safety protocol in starting | Wait some seconds |
| Throttle to MAX in starting | Release the throttle and wait some seconds |
| RPM instability at idle speed | Clogged fuel pipes | Contact **KOHLER** authorised workshops |
| Low RPM at idle speed | Clogged fuel pipes | Contact **KOHLER** authorised workshops |
| Poor quality fuel | Clean the tank and refuel with quality fuel |
| 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 |
| Excessive fuel consumption | Clogged air filter | Replace with a new filter |
| 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 |
| 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 |
| Engine jerking | Clogged fuel pipes | Contact **KOHLER** authorised workshops |
| Engine overheats | Insufficient coolant level | Fill up to the level |
| 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.** **5.2**  do not eliminate the trouble, contact a **KOHLER** authorized workshop

