

519528

DAMSON

YAMAHA D YAMAHA DIAGNOSTIC SYSTEM

Save date { Save date { At 16:14 On March 18 2025

Customer r Customer r F300XCA 6CE X 1012090

Dealer narr Dealer narr 26100-090340 Cyrpress cove

Application Application 2.49

Database v Database v 2.49

Number of Number of 1

Protocol Protocol K-Line K-Line

Comment Comment

100 HR SERVICE WP THERMOSTAT OIL PUMP

Model narr Model name

Engine seri Engine serial number (PID number)

ECMã€€nu ECMã€€nu 6CE8591A03

1. Engine o 1. Engine operating hours according to engine speed

Engine spe: Engine speed

|                           |        |
|---------------------------|--------|
| - 1000 r/n - 1000 r/n     | 1605.9 |
| 1000 - 20( 1000 - 20(     | 54     |
| 2000 - 30( 2000 - 30(     | 75.3   |
| 3000 - 40( 3000 - 40(     | 614.7  |
| 4000 - 50( 4000 - 50(     | 158.8  |
| 5000 - 60( 5000 - 60(     | 4.8    |
| 6000 - 70( 6000 - 70(     | 0      |
| Total opera: Total opera: | 2513   |

2. Record c 2. Record of engine oil exchange

Time Time

|    |        |
|----|--------|
| 1  | 2513.5 |
| 2  |        |
| 3  |        |
| 4  |        |
| 5  |        |
| 6  |        |
| 7  |        |
| 8  |        |
| 9  |        |
| 10 |        |

3. Diagnosi 3. Diagnosis

| Item        | Item        |        |        | Code |
|-------------|-------------|--------|--------|------|
| Pulser coil | Pulser coil | Normal | Normal | 13   |
| Engine tem  | Engine tem  | Normal | Normal | 15   |
| Knock sens  | Knock sens  | Normal | Normal | 17   |
| Battery vol | Battery vol | Normal | Normal | 19   |

|           |           |        |        |     |
|-----------|-----------|--------|--------|-----|
| RC system | RC system | Normal | Normal | 178 |
| RC system | RC system | Normal | Normal | 179 |
| RC system | RC system | Normal | Normal | 180 |
| RC system | RC system | Normal | Normal | 181 |
| RC system | RC system | Normal | Normal | 183 |
| RC system | RC system | Normal | Normal | 184 |
| RC system | RC system | Normal | Normal | 186 |
| RC system | RC system | Normal | Normal | 187 |
| ETV       | ETV       | Normal | Normal | 112 |
| ETV       | ETV       | Normal | Normal | 113 |
| ETV       | ETV       | Normal | Normal | 114 |
| ETV       | ETV       | Normal | Normal | 115 |
| ETV       | ETV       | Normal | Normal | 116 |
| ETV       | ETV       | Normal | Normal | 117 |
| ETV       | ETV       | Normal | Normal | 118 |
| ETV       | ETV       | Normal | Normal | 119 |
| ETV       | ETV       | Normal | Normal | 121 |
| ETV       | ETV       | Normal | Normal | 122 |
| ETV       | ETV       | Normal | Normal | 123 |
| ETV       | ETV       | Normal | Normal | 129 |
| ETV       | ETV       | Normal | Normal | 136 |
| ETV       | ETV       | Normal | Normal | 137 |
| ETV       | ETV       | Normal | Normal | 138 |
| ETV       | ETV       | Normal | Normal | 139 |
| ETV       | ETV       | Normal | Normal | 141 |
| ETV       | ETV       | Normal | Normal | 142 |
| ETV       | ETV       | Normal | Normal | 143 |
| ETV       | ETV       | Normal | Normal | 144 |
| ETV       | ETV       | Normal | Normal | 145 |

#### 4. Engine n 4. Engine monitor

| Monitor ite  | Monitor ite           | Unit  | Unit  |        |        |
|--------------|-----------------------|-------|-------|--------|--------|
| Engine spe   | Engine spe            | r/min | r/min | 804    | 804    |
| Intake air p | Intake air p          | kPa   | kPa   | 42.96  | 42.96  |
| Intake air p | Intake air p          | inHg  | inHg  | 12.64  | 12.64  |
| TPS1         | TPS1                  | V     | V     | 0.674  | 0.674  |
| Throttle va  | Throttle va           | deg   | deg   | 3.7    | 3.7    |
| TPS2         | TPS2                  | V     | V     | 2.661  | 2.661  |
| Throttle re  | Throttle re           | %     | %     | 0      | 0      |
| LPS 1        | LPS 1                 | V     | V     | 2.197  | 2.197  |
| LPS 2        | LPS 2                 | V     | V     | 2.197  | 2.197  |
| Active rem   | Active remote control |       |       | 1P     | 1P     |
| SPS1         | SPS1                  | V     | V     | 2.49   | 2.49   |
| SPS2         | SPS2                  | V     | V     | 2.5    | 2.5    |
| Shift reque  | Shift reque           | %     | %     | 0      | 0      |
| Atmospher    | Atmospher             | hPa   | hPa   | 1010.8 | 1010.8 |
| Atmospher    | Atmospher             | inHg  | inHg  | 29.9   | 29.9   |

7. Data con 7. Data comparison graph

Engine pos Engine position

| Time | Time | Unit | Unit | Engine spe<br>[r/min] | Battery vol<br>[V] | TPS<br>[V] | Engine tem<br>[Â°C] | Engine tem<br>[Â°F] |
|------|------|------|------|-----------------------|--------------------|------------|---------------------|---------------------|
| -19  |      | Min  | Min  | 700                   | 14.1               | 0.66       | 70                  | 158                 |
| -18  |      | Min  | Min  | 700                   | 13.9               | 0.66       | 70                  | 158                 |
| -17  |      | Min  | Min  | 700                   | 14.1               | 0.66       | 70                  | 158                 |
| -16  |      | Min  | Min  | 800                   | 14.1               | 0.68       | 70                  | 158                 |
| -15  |      | Min  | Min  | 800                   | 13.9               | 0.7        | 71                  | 159.8               |
| -14  |      | Min  | Min  | 800                   | 14.1               | 0.68       | 71                  | 159.8               |
| -13  |      | Min  | Min  | 800                   | 14.3               | 0.7        | 71                  | 159.8               |
| -12  |      | Min  | Min  | 800                   | 14                 | 0.68       | 72                  | 161.6               |
| -11  |      | Min  | Min  | 700                   | 14.1               | 0.66       | 72                  | 161.6               |
| -10  |      | Min  | Min  | 700                   | 14.1               | 0.66       | 71                  | 159.8               |
| -9   |      | Min  | Min  | 700                   | 14.1               | 0.66       | 72                  | 161.6               |
| -8   |      | Min  | Min  | 750                   | 14.1               | 0.66       | 72                  | 161.6               |
| -7   |      | Min  | Min  | 750                   | 14.1               | 0.66       | 72                  | 161.6               |
| -6   |      | Min  | Min  | 750                   | 14.1               | 0.68       | 72                  | 161.6               |
| -5   |      | Min  | Min  | 650                   | 14.1               | 0.63       | 72                  | 161.6               |
| -4   |      | Min  | Min  | 1300                  | 14.1               | 1.11       | 71                  | 159.8               |
| -3   |      | Min  | Min  | 650                   | 13.9               | 0.63       | 75                  | 167                 |
| -2   |      | Min  | Min  | 650                   | 14.1               | 0.63       | 72                  | 161.6               |
| -1   |      | Min  | Min  | 800                   | 13.8               | 0.68       | 41                  | 105.8               |

Engine pos Engine position

Time Time Unit Unit

Engine pos Engine position

Time Time Unit Unit

Engine pos Engine position

Time Time Unit Unit

Engine pos Engine position

Time Time Unit Unit

Intake air p Intake air p Oil pressur Oil pressur Throttle re SPS  
[kPa] [inHg] [kPa] [psi] [%] [V]

Intake air p Intake air p Oil pressur Oil pressur Throttle re SPS  
[kPa] [inHg] [kPa] [psi] [%] [V]

|      |      |     |      |    |       |
|------|------|-----|------|----|-------|
| 42   | 12.4 | 264 | 38.3 | 15 | 0.527 |
| 42.5 | 12.6 | 256 | 37.2 | 15 | 0.527 |
| 42.5 | 12.6 | 253 | 36.6 | 16 | 0.527 |
| 44   | 13   | 291 | 42.2 | 20 | 0.527 |
| 44   | 13   | 279 | 40.5 | 20 | 0.527 |
| 43.5 | 12.9 | 283 | 41.1 | 20 | 0.527 |
| 43.5 | 12.9 | 291 | 42.2 | 20 | 0.527 |
| 43.5 | 12.9 | 276 | 40   | 20 | 0.527 |
| 43   | 12.7 | 241 | 35   | 16 | 0.527 |
| 42   | 12.4 | 249 | 36.1 | 16 | 0.527 |
| 43   | 12.7 | 249 | 36.1 | 16 | 0.527 |
| 42   | 12.4 | 253 | 36.6 | 16 | 0.527 |
| 42.5 | 12.6 | 256 | 37.2 | 16 | 0.527 |
| 42.5 | 12.6 | 268 | 38.9 | 18 | 0.527 |
| 37.6 | 11.1 | 218 | 31.6 | 0  | 2.461 |
| 69.7 | 20.6 | 379 | 55   | 41 | 0.547 |
| 40.1 | 11.8 | 214 | 31.1 | 0  | 2.461 |
| 38.6 | 11.4 | 211 | 30.5 | 0  | 2.461 |
| 43.5 | 12.9 | 509 | 73.8 | 0  | 2.48  |