



# Test Monitoring Center

6555 Penn Avenue  
Pittsburgh, PA 15206-4489  
(412) 365-1000

6V92TA INFORMATION LETTER 06-1

Sequence No. 8

January 23, 2006

*ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.*

TO: Two-Cycle Diesel Mailing List

SUBJECT: Fuel Flow Set Point and Power Specification

### Fuel Flow Set Point and Power Specification

On the October 21, 2005 conference call, the Two-Cycle Diesel Surveillance Panel agreed to change the fuel flow set point and power level specification for the Power Mode of the 6V92TA test method. The fuel flow was changed from 90.0 kg/hr to 89.0 kg/h. The specified power range was changed from 364 – 379 kW to 366 – 380 kW. Table 4 of D 5862 has been modified accordingly and is attached. This change is effective September 1, 2005.

Mesfin Belay  
Detroit Diesel Corporation

John L. Zalar  
Administrator  
ASTM Test Monitoring Center

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/diesel/6v92/procedure\\_and\\_ils/il06-1.pdf](ftp://ftp.astmtmc.cmu.edu/docs/diesel/6v92/procedure_and_ils/il06-1.pdf)

Distribution: Email

(Revises D 5862-03)

**TABLE 4 Test Parameters**

(Means and Ranges)		
Controlled Conditions	Torque Mode	Power Mode
Engine speed, r/min	1200 ± 10	2300 ± 10
Oil gallery temperature, °C	102.0 ± 1.1	111.0 ± 1.1
Fuel temperature, °C	38.0 ± 2.8	38.0 ± 2.8
Fuel rate, kg/h	52.0 ± 1.8	89.0 ± 1.8
Coolant ΔT, °C	6.0 ± 2.7	6.0 ± 2.7
Air inlet restriction, kPa	Report only	2.5 ± 0.7
Exhaust backpressure, kPa	Report only	3.2 ± 0.8
Air inlet temperature, °C	35.0 ± 2.8	35.0 ± 2.8
Engine coolant out, °C	84.0 ± 2.2	84.0 ± 2.2
Non-Controlled Conditions	Torque Mode	Power Mode
Engine power, kW	216–238	366–380
Oil sump temperature, °C	111–119	120–131
Oil gallery pressure, kPa	207–310	345–482
Oil consumption max, g/h	340	340