



## TRK-W2IP: Gas generation Volume comparison

1. Purpose: Comparison of gas yield of TRK-W2IP and that of oil-based release agent during combustion

2. Result:

| Theoretical combustion gas yield volume |                          |
|---|--------------------------|
| Conventional oil-based release agent    | 11.67Nm <sup>3</sup> /Kg |
| TRK-W2IP                                | 9.585Nm <sup>3</sup> /Kg |

The chart above shows a simple comparison of theoretical volume of gas generation during combustion. The chart below shows gas generation and amount of application in the case of oil-based release agent (considered standard) and TRK-W2IP

|           | Gas volume | Application quantity | Predicted gas volume |
|-----------|------------|----------------------|----------------------|
| Oil-based | 100%       | 100                  | 100%                 |
| TRK-W2IP  | 82%        | 67~50                | 55~41%               |

3. Observation: TRK-W2IP theoretically generates 55~41% compared to oil-based release agent (100%)