



**VEHICLE FACTORS GROUP CHAIRMAN'S  
FACTUAL REPORT**

**Vehicle Attachment 3 – 2013 Peterbilt – TRW Steering Gear Specifications**

**Davis, Oklahoma**

**HWY14MH014**

**(2 pages)**

# TAS Series

## Power Steering Gears

This product is engineered for superior torque output and performance for both on and off-highway vehicles with medium and heavy front axle loads. The TAS gear operates with fewer moving parts and maintains responsive handling and positive steering control.

### FEATURES

- Improved rotary valve design
- Automatic poppets
- Increased pressure torque ratings
- Optional automatic bleed systems



### SPECIFICATIONS

	TAS37	TAS40	TAS55	TAS65	TAS66	TAS85
<b>Front Axle Weight</b>	8,000 lbs 3,500 kg	9,000 lbs 4,000 kg	12,000 lbs 5,500 kg	14,300 lbs 6,500 kg	14,600 lbs 6,600 kg	18,000 lbs 8,200 kg
<b>Pressure Rating</b>	1,958 psi 135 bar	2,175 psi 150 bar	2,175 psi 150 bar	2,175 psi 150 bar	2,364 psi 163 bar	2,175 psi 150 bar
<b>Output Torque at Rated Pressure 90% Efficiency</b>	25,925 in/lbs 2,930 N-m	28,450 in/lbs 3,214 N-m	35,300 in/lbs 3,988 N-m	43,050 in/lbs 4,864 N-m	46,737 in/lbs 5,280 N-m	58,850 in/lbs 6,649 N-m
<b>Gear Travel</b>	100°	95°	95°	95°	95°	95°
<b>Gear Ratio(s)</b>	17.8:1	20.4:1, 18.4:1	20.4:1, 18.4:1	20.4:1, 18.4:1	20.4:1, 18.4:1	23.3:1, 21:1
<b>Output Shaft Diameter</b>	1.75 in 44.5 mm	1.75 in 44.5 mm	2.00 in 50.8 mm	2.00 in 50.8 mm	2.00 in 50.8 mm	2.25 in 57.15 mm
<b>Output Shaft Serrations</b>	1.75 x 46 Straight	1.75 x 46 Straight	1.937 x 52 Straight	1.937 x 52 Straight	1.937 x 52 Straight	2.25 x 59 Straight
<b>Input Shaft Serrations</b>	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight
<b>Maximum Operating Temperature</b>	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C
<b>Minimum Pump Flow for 1.5 hwt/sec</b>	2.5 gpm 9.5 lpm	2.2 gpm 8.3 lpm	2.7 gpm 10.2 lpm	3.0 gpm 11.3 lpm	3.0 gpm 11.3 lpm	3.6 gpm 13.6 lpm
<b>Recommended Pump Flow Control Range</b>	3.6-5.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	4.2-8.0 gpm 16-30 lpm
<b>Approximate Dry Weight</b>	55.4 lbs 25.1 kg	60 lbs 27 kg	73 lbs 33 kg	78 lbs 35 kg	78 lbs 35 kg	98 lbs 44 kg

[www.trucksteering.com](http://www.trucksteering.com)

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