

## Tigear 2 - Lubricant Volumes / Levels & Lubricant Level Checking

### Instructions

The below lubricant volumes / levels and lubricant level checking instructions pertain to standard & EZ-KLEEN Tigear reducers. The volumes / levels are shown for each reducer size which are divided into two output shaft styles: hollow & solid shafts.

**NOTE: Klubersynth UH1 6-460 (standard temperature) & Klubersynth UHI 6-150 (Low temperature) food grade lubricants are the only recommended lubricants to be used in the Tigear 2 reducers.** Do not mix any other lubricant with the Klubersynth lubricants. The Klubersynth lubricants are a polyglycol based synthetic lubricant and cannot be mixed with other lubricants.

### OIL FILL DATA - Tigear 2 Standard & EZ-KLEEN Reducers

UNIT SIZE	INPUT STYLE	OUTPUT SHAFT STYLE	OIL QTY PTS(OZS)	HEIGHT FROM TOP PAD
13	QUILL, ADAPTABLE, SEPARATE	HOLLOW	0.35 (5.6)	2.61
		SOLID	0.38 (6.1)	2.55
15	QUILL, ADAPTABLE, SEPARATE	HOLLOW	0.43 (6.9)	3.20
		SOLID	0.45 (7.2)	3.13
17	QUILL, ADAPTABLE, SEPARATE	HOLLOW	0.64 (10.2)	3.13
		SOLID	0.75 (12.0)	3.13
20	QUILL, ADAPTABLE, SEPARATE	HOLLOW	0.88 (14.1)	3.38
		SOLID	0.95 (15.2)	3.50
23	QUILL, ADAPTABLE, SEPARATE	HOLLOW	1.31 (21.0)	3.69
		SOLID	1.44 (23.0)	3.88
26	QUILL, ADAPTABLE, SEPARATE	HOLLOW	1.75 (28.0)	4.13
		SOLID	2.00 (32.0)	4.38
30	QUILL, ADAPTABLE, SEPARATE	HOLLOW	2.75 (44.0)	3.88
		SOLID	3.00 (48.0)	4.75



UNIT SIZE	INPUT STYLE	OUTPUT SHAFT STYLE	OIL QTY PTS(OZS)	HEIGHT FROM TOP PAD
35	QUILL, ADAPTABLE, SEPARATE	HOLLOW	3.72 (59.5)	5.00
		SOLID	4.12 (66.0)	5.38
40	QUILL, ADAPTABLE, SEPARATE	HOLLOW	5.54 (88.6)	5.16
		SOLID	6.05 (96.8)	5.78
47	QUILL, ADAPTABLE, SEPARATE	HOLLOW	10.25 (164.0)	6.53
		SOLID	11.00 (176.0)	7.10

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### Lubricant Level Checking Instructions

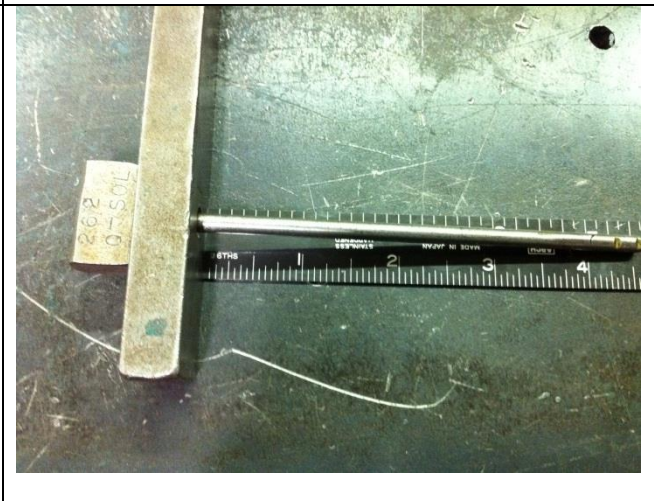
Place the Tigear 2 reducer on a flat, level surface or in the Floor Mount position. Allow the reducer to cool to room temperature before removing the oil fill plug.



The Tigear-2 oil level is measured from the machined top mounting surface. Use a straightedge as a guide. A piece of steel bar stock is shown in the picture.



For ease of use and improved accuracy, a dipstick can be fabricated with a piece of bar stock & an 1/8" steel rod as shown in the picture. Drill a hole in the straight edge for the dipstick to go through. If this arrangement is not available use a straight edge a piece of round rod stock.



Place the straight edge on the machined mounting surfaces and insert the dipstick down through the fill plug hole into the reducer.



Remove the dipstick and measure the oil level from the bottom of the straight edge to the oil level mark. Compare this measurement to the "Height from top pad" value listed in the "Oil Fill Data" chart above for the appropriate reducer size and output shaft style.

Using a straightedge with a hole, and a dipstick with a mechanical stop, makes it easy — just leave the dipstick in the straightedge and measure from the bottom of the straightedge.

