

# Procedure Sheet

## Lube Oil Pump Drive Gear Dampener Upgrade Kit

**Subject:** Kit to replace 033-408 springs in all inline G-825 and diesel lube oil pump drive gears.

**Problem:** Springs break and wear into the gear and hub causing these parts to fail prematurely.

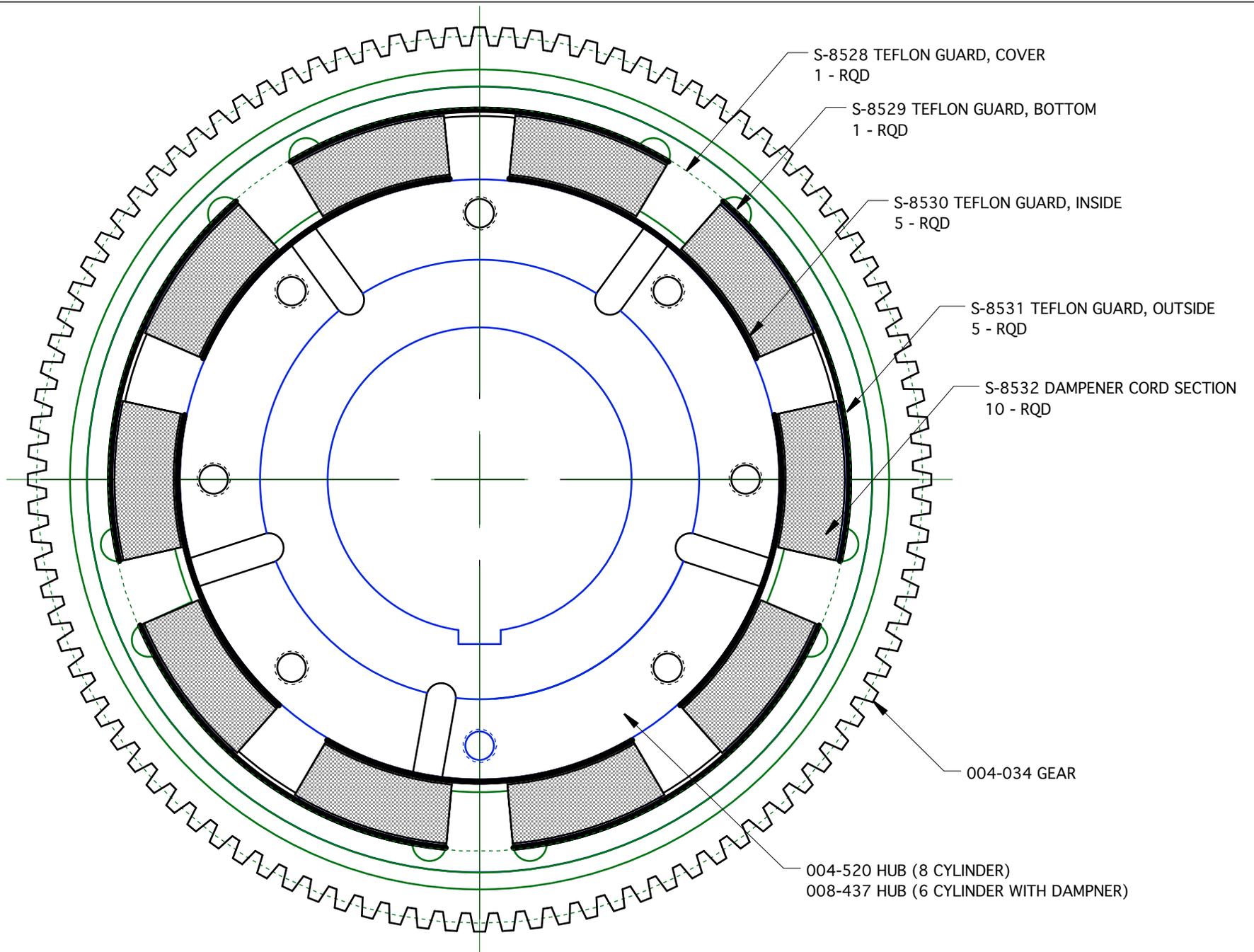
The new kit eliminates the premature failure of the drive gear by replacing the springs with Viton cord sections. The gear still has the dampening effect required to keep the gear teeth from wearing but eliminates extensive downtime needed to go into the front end housing to change the drive assembly. This kit reduces the wear and tear on the hub, gear and retainer plate.

The S-8533 kit includes:

(1)	S-8528	Teflon round cover
(5)	S-8529	Teflon bottom strips
(5)	S-8530	Teflon inside strips
(5)	S-8531	Teflon outside strips
(10)	S-8532	Black Viton Cord Sections
(1)	#105	LUBRIPLATE

### Procedure to Assemble:

1. Assemble gear onto hub. Lubriplate bottom of hub and insert the five bottom Teflon strips. (Strips slide under each lug)
2. Lubriplate inside of gear and the (10) Viton cord sections. Install Viton cord sections and Teflon strips into each opening between hub and gear.
3. Fill cavity of gear with Lubriplate and install circular Teflon cover and steel plate into gear.
4. Install (8) bolts, torque, and wire in place. If the bolts are not drilled for lockwire then apply Loctite to bolts and torque.
5. Check gear to make sure you have a slight movement. You do not want the gear to be locked up. If the gear is locked up, remove the retainer plate, file any burrs, and repeat installation.



PART NUMBER: S-8533	DESCRIPTION: KIT, OIL PUMP DRIVE ASSY	MAKE: SEC	TOLERANCES: FRACTIONAL +0.010" X -0.100" XX +0.010" .XXX +0.005"
SCALE: 6" = 1'	MATERIAL SPEC.: SEE NOTES	DATE: 06/02/03	ALL DIMS IN INCHES UNLESS OTHERWISE SPECIFIED
<b>SINOR ENGINE COMPANY, INC.</b>			