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Mercury Racing Gear Lube

Models Covered

Models Covered	Serial Number Or Year
Torque Master, Fleet Master, Super Speedmaster, and Sport Master Gear Cases used on Mercury Racing Products	All
Bravo Drives used on Mercury Racing Products	
Dry Sump Drives (NXT ¹ , NXT6 SSM, M8)	
NXT ¹ Transmissions	

Situation

Starting May 1, 2013, (starting serial numbers are not available at this time), all drives and gearcases assembled at Mercury Racing will be filled with a new gear lubricant called Mercury Racing Gear Lube. Mercury Racing Gear Lube replaces our High Performance Gear Lube and supersedes Torco Gear Lube on all Mercury Racing applications. High Performance Gear Lube will still be used in Mercury and MerCruiser products.

Mercury Racing engine products that are assembled at Mercury Manufacturing locations outside of Mercury Racing are filled with High Performance Gear Lube. These products are also sold with products from Mercury Marine's main plant. We suggest that the High Performance Gear Lube be replaced with Mercury Racing Gear Lube at the first scheduled fluid change.

Testing with Mercury Racing Gear Lube has shown improvements in:

- Reducing heat from friction
- Better heat transfer due to improved circulation
- Higher lubrication quality
- Suspension properties

Do not mix Mercury Racing Gear Lube with High Performance Gear Lube.

Mixing the gear lubes will reduce the lubrication quality.

Correction

Mercury Racing Gear Lube can be used in any Mercury Racing drive or gearcase, regardless of manufacturing date.

Remove the drain and fill plugs from the outboard gearcases and Bravo drives, and allow the old lubricant to completely drain before refilling with Mercury Racing Gear Lube.

Dry sump drives have lubricant in front of the oil pump and filter that may not drain when the drain plug is removed. Service the Mercury Racing dry sump drives using one of the following methods:

- Replace the lube and filter at the same time
- If the filter is not replaced, drain the lube from the drive and refill the drive with Mercury Racing Gear Lube; then turn the prop shaft (rotating the oil pump gear) a minimum of 125 revolutions pushing the new lube through the filter. Drain the gear lube a second time to remove the mixed lube, and refill it with Mercury Racing Gear lube.

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Mercury Racing Gear Lube

NOTE: Prop shaft rotation can be accomplished by starting the engine with the propeller removed, and running the engine in gear at idle RPM, for one minute.

NXT¹ and M8 dry sump drives were filled with High Performance Gear Lube.

NXT6 SSM (AKA: Dry Sump Six drive) are filled with Torco Gear Lube. Torco Gear Lube does not have the same compatibility problem as High Performance Gear Lube, but as a general practice you want to avoid mixing lubricants. For best results use one of the two dry sump methods listed prior.

NOTE: Identifying un-used gear lube in the gearcase or drive:

- Mercury Racing Gear Lube is a dark amber color
- Torco Gear Lube is a light amber color
- High Performance Gear Lube is green

Product	Part Number	Size
Mercury Racing Gear Lube	8M0078015	One quart
	8M0078016	5 gallon
	8M0081893	16 gallon
	8M0078017	55 gallon

Warranty

This bulletin is informational only. No warranty claims will apply.

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