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Date: **October 23, 2003**

Subject: **Oil Application for 4-TEC Engines**

No. **2004-1**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2004	GTX [†] 4-TEC	All	All
2004	GTX 4-TEC Supercharged	All	All
2004	GTX 4-TEC Limited Supercharged	All	All
2004	GTX 4-TEC Wakeboard Edition	All	All
2004	RXP	All	All

† GTX is a registered trademark of Castrol Ltd, used under license.

FOREWORD

With the introduction of the 4-TEC supercharged intercooled, a new supercharger clutch assembly is used, which have specific oil requirements. This new clutch is also found on the 4-TEC supercharged (non-intercooled).

This bulletin is intended to explain the specific oil requirements of the 4-TEC engines and proper oil level verification.

The following statement for the recommended oil has been published in the *2004 Operator's Guide*.

ENGINE RECOMMENDED OIL

This watercraft features a 4-stroke engine that requires 4-stroke motor oil for internal engine lubrication. Ensure to respect the following requirements.

Normally Aspirated (NA) Engines

Watercraft featuring 4-stroke engines without superchargers require 4-stroke motor oil meeting the requirements for API service classification SL, SJ or SH. Always check the API service label on the oil container to be sure it includes those letters.

The Bombardier 4-stroke oil SAE 10W-40 (P/N 219 700 346) sold by authorized Sea-Doo dealers meets those requirements.

Supercharged and Supercharged Intercooled Engines

Use the Bombardier 4-stroke oil SAE 10W-40 (P/N 219 700 346) or an equivalent approved by Bombardier. The same oil lubricates both the engine and the supercharger clutch. The Bombardier 4-stroke oil SAE 10W-40 (P/N 219 700 346) has been thoroughly tested to be free of any additives that could impair the functionality of the supercharger clutch.

NOTE: Use of any oil that is not recommended may void Bombardier's limited warranty.

CAUTION: Do not add any additives to the recommended oil. Beware that oils not recommended by Bombardier may contain additives (friction modifiers) that may cause inappropriate slippage of the supercharger and eventually lead to premature wear. For this reason, oils other than Bombardier 4-stroke oil SAE 10W-40 (P/N 219 700 346) or an approved equivalent are not recommended.

All Engines

CAUTION: Never use any 2-stroke engine oil.

OIL VISCOSITY

The same oil is recommended for all seasons and all ambient temperatures.

OIL LEVEL

CAUTION: Check level frequently and refill if necessary. Do not overfill it would make the engine smoke and reduce its power. Operating the engine with an improper level may severely damage engine. Wipe off any spillage.

ADDITIONAL INFORMATION NOT CONTAINED IN THE OPERATOR'S GUIDE

In order to complete the above information, take note of the following:

Normally Aspirated (NA) Engines

A synthetic oil meeting the same requirements may be used.

The Bombardier synthetic oil 5W40 is very suitable for this engine. Ensure to respect the same oil change intervals with synthetics.

Supercharged and Supercharged Intercooled Engines

CAUTION: No synthetic oil can be used on these engines as it will impair the proper operation of the supercharger clutch. Depending on the manufacturer's motor oil blend, mineral base oils may also contains additives (friction modifiers) that may affect the slippage of the clutch. Any motor oils (except Bombardier 10W40) used that will cause slippage and premature wear of the supercharger clutch will not be covered by the Bombardier's Limited Warranty.

Oil Level (All Engines)

The 4-TEC engines are equipped with a dry sump oil system.

Make sure to instruct customer how to check oil level as per the *Operator's Guide* procedure. This procedure must be strictly adhere to, in order to read the correct oil level.

Engine Oil Information

Description	P/N	QTY
Bombardier motor oil 10W40	219 700 346	12 x 1 liter
Bombardier Synthetic Motor Oil 5W40	293 600 039	12 x 1 liter