



KAMOME PROPELLER CO., LTD.

690, KAMIYABE-CHO, TOTSUKA-KU, YOKOHAMA 245-8542, JAPAN

Recommended List of Biodegradable Lubricating Oil for TFA Type Side Thruster

Standard : US EPA 2013 VGP Requirement Biodegradable Lubricating Oil ISO VG100 or 150

Manufacturer	Name of lubricating oil
BP Castrol	BioStat 100, 150
Chevron	Clarity Synthetic EA Gear Oil 100, 150
ExxonMobil	Mobil SHC Aware Gear 100, 150
Gulf Oil Marine	GulfSea BD Gear Oil 100, 150
Klüber Lubrication	Klüberbio EG 2-100, 2-150
Lukoil (Fuchs)	Plantogear 100 S, 150 S
Panolin	Margear 100, 150 / EP Gear Synth 100, 150
RSC Bio Solutions	RSC EnviroLogic GO 100, 150
Shell	Naturelle S4 Gear Fluid 100, 150
SK lubricants	SK Bio SG EP 100, 150
Total	Bioneptan HT 100, 150
Vickers Oils	Biogear XP 100, 150

⚠ NOTICE

1. Only the listed Environmentally Acceptable Lubricants (EAL) are allowed for the Kamome TFA type side thrusters. If other will be used, please contact Kamome Propeller Co., Ltd. for suitability.
2. TFA-110 type side thruster, which are manufactured before June 2014 are required replacement of the propeller shaft seal for EAL.
3. TFA-80 type side thruster, which are manufactured before January 2017 are required replacement of the propeller shaft seal for EAL.

Date: 2019/03/12