

**EKK EAGLE INDUSTRY CO., LTD.** Dec. 16, 2024

## **BIODEGRADABLE OIL (EAL) FOR STERNTUBE SEALS** <FOR SEAL TYPE AX, CX, DX>

_	OIL MAKER	OIL BRAND	SEAL RING MATERIAL	
<b>BASE OIL</b>			FKM for ESTER BIO	FEPM / FKM for PAG BIO
	KEMEL (EAGLE INDUSTRY)	BIO ST-100 (ST-83A)	-	A+
Ŋ		BIO ST-120	-	A+
PAG	SHELL	SHELL BIODEGRADABLE HYDRAULIC FLUID 68	-	А
		SHELL OMALA S3 W 100	-	Α
	BASF	ECOPRO HE 501-68	В	-
		ECOPRO HE 501-100	В	-
	BP/CASTROL	BIOBAR 68	А	-
		BIOBAR 100	A	-
		BIOSTAT 68	В	-
		BIOSTAT 100	В	-
		BIOSTAT 150	В	-
		BIOSTAT ST 100	A	-
		BIOSTAT ST 150	А	-
	CHEVRON	CLARITY SYNTHETIC EA HYDRAULIC OIL 68	В	-
		CLARITY SYNTHETIC EA HYDRAULIC OIL 100	В	-
		Clarity Bio EliteSyn AW 68	В	-
		Clarity Bio EliteSyn AW 100	В	-
		Clarity Bio EliteSyn AW 150	В	-
ő	COSMO OIL	COSMO TERRA STERN TUBE 100	В	-
OTHERS	Calumet Branded	BIOMAX STERN TUBE EAL 100	В	-
E	Products	BIOMAX STERN TUBE EAL 150	B	-
∞ŏ	EXXON MOBIL	MOBIL SHC AWARE ST 100	A	-
BASE	GULF OIL MARINE	GULFSEA BD STERNTUBE OIL 68	В	-
R B/		GULFSEA BD STERNTUBE OIL 100	Ā	-
ESTEF		GULFSEA BD STERNTUBE OIL 150	A	-
S	KOREA HOUGHTON	TECTYL BIO OS 100	В	-
	KLUBER	BIO RM 2-100	A	-
		BIO RM 2-150	В	-
		BIO EG 2-68	B	-
		BIO EG 2-100	B	-
		BIO EG 2-150	B	-
		BIO RB 2-100	B	_
		BIO RM 8-100	B	-
	KAJO	KAJO-BIO-Sterntube Oil 100	B	-
	LENOL (FUCHS)	PLANTOGEAR 100 S	A	-
		PLANTOGEAR 150 S	A	_
		PLANTOSEX 100 0	В	_
┢	NOF CORPORATION	MILLUBE ST-100S	B	_
		MILLUBE ST-1000	A	_



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Bit Maker     OIL BRAND     FKM for ESTER BIO     I mail FKM for ESTER BIO       PAG B     -     -       STELLA MARIS 68     A     -       STELLA MARIS 100     A     -       STELLA MARIS 150     B     -       HLP SYNTH 68     B     -       HLP SYNTH 68     B     -       STELLA MARIS NRT 68     B     -       STELLA MARIS NRT 68     B     -       STELLA MARIS NRT 100     B     -       STELLA MARIS NRT 100     B     -       STELLA MARIS NRT 100     B     -       RSC BIO SOLUTIONS     ENVIROLOGIC HF 100 HP     B       FUTERRA HF 68     B     -       FUTERRA HF 68     B     -       NATURELLE S4 GEAR FLUID 100     A     -       NATURELLE S4 GEAR FLUID 100     B     -       SHELL     SHELL STERN TUBE LUBRICANT 100     B     -       SHELL STERN TUBE COLLAR B     B     -       SHELL STERN TUBE COLE 68     B     -       SHELL STERN TUBE COLE 68     B	<b>BASE OIL</b>		OIL BRAND	SEAL RING MATERIAL	
PANOLINSTELLA MARIS 100A-STELLA MARIS 150B-HLP SYNTH 68B-HLP SYNTH 100B-STELLA MARIS NRT 68B-RSC BIO SOLUTIONSENVIROLOGIC HF 68 HPBRSC BIO SOLUTIONSENVIROLOGIC HF 68 HPBFUTERRA HF 68B-FUTERRA HF 68B-FUTERRA HF 68B-FUTERRA HF 68B-FUTERRA HF 100B-NATURELLE S4 SERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-SHELLSHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE OIL 68B-SHELL STERN TUBE OIL 68B-SK BIO ST 150B-SK BIO ST 150B-BIONEPTAN 1100C-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 68B-BIOGEAR XP 150B-					FEPM / FKM for PAG BIO
PANOLIN     STELLA MARIS 150     B     -       HLP SYNTH 68     B     -     -       HLP SYNTH 100     B     -     -       STELLA MARIS NRT 68     B     -     -       STELLA MARIS NRT 100     B     -     -       RSC BIO SOLUTIONS     ENVIROLOGIC HF 68 HP     B     -       ENVIROLOGIC GO 150     B     -     -       FUTERRA HF 68     B     -     -       FUTERRA HF 68     B     -     -       FUTERRA HF 68     B     -     -       NATURELLE S4 GEAR FLUID 100     A     -     -       NATURELLE S4 GEAR FLUID 100     B     -     -       SHELL     SHELL STERN TUBE LUBRICANT 100     B     -       SHELL STERN TUBE LUBRICANT 100     B     -     -       SHELL STERN TUBE OIL 68     B     -     -       SHELL STERN TUBE OIL 68     B     -     -       SHELL STERN TUBE OIL 68     B     -     -       SK LUBRICANTS     SK BIO ST     B		PANOLIN	STELLA MARIS 68	А	-
PANOLIN     HLP SYNTH 68     B     -       HLP SYNTH 100     B     -     -       STELLA MARIS NRT 68     B     -       STELLA MARIS NRT 100     B     -       RSC BIO SOLUTIONS     ENVIROLOGIC HF 68 HP     B     -       FUTERRA HF 68     B     -     -       NATURELLE S4 STERN TUBE FLUID 100     A     -       NATURELLE S4 GEAR FLUID 100     B     -       SHELL     SHELL STERN TUBE LUBRICANT 100     B     -       SHELL STERN TUBE LUBRICANT 100     B     -     -       SHELL STERN TUBE OIL 68     B     -     -       SHELL STERN TUBE COSAFE EAL 68     B     -     -       SHELL STERN TUBE OIL 100     A     -     -       SHELL STERN TUBE OIL 68     B     -     -       SHEL STERN TUBE OIL 68     B     -     -       SK			STELLA MARIS 100	А	-
HLP SYNTH 100BSTELLA MARIS NRT 68BSTELLA MARIS NRT 68BSTELLA MARIS NRT 100BENVIROLOGIC HF 68 HPBENVIROLOGIC GO 150BFUTERRA HF 68BFUTERRA HF 68BFUTERRA HF 68BSHELLNATURELLE S4 STERN TUBE FLUID 100ANATURELLE S4 GEAR FLUID 100BSHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE OIL 68BSHELL STERN TUBE OIL 68BSHELL STERN TUBE OIL 100ASHELL STERN TUBE OIL 68BSHEIL STERN TUBE OIL 68BSHEIL STERN TUBE OIL 68BSHEIL STERN TUBE OIL 68BSK LUBRICANTSSK BIO STSK BIO ST 150BBIONEPTAN 100CTotal Energies LubmarineBIONEPTAN 100BIONEPTAN 100AHYDROX BIO 68BHYDROX BIO 150AHYDROX BIO 150AHYDROX BIO 150ABIOGEAR XP 68BBIOGEAR XP 150B			STELLA MARIS 150	В	-
STELLA MARIS NRT 68     B     -       STELLA MARIS NRT 100     B     -       STELLA MARIS NRT 100     B     -       RSC BIO SOLUTIONS     ENVIROLOGIC HF 68 HP     B     -       FUTERA HF 68     B     -     -       FUTERA HF 68     B     -     -       FUTERA HF 68     B     -     -       FUTERA HF 100     B     -     -       NATURELLE S4 STERN TUBE FLUID 100     A     -       NATURELLE S4 GEAR FLUID 100     B     -       NATURELLE S4 GEAR FLUID 100     B     -       SHELL     SHELL STERN TUBE LUBRICANT 100     B     -       SHELL STERN TUBE OIL 68     B     -     -       SHELL STERN TUBE OIL 68     B     -     -       SHEL STERN TUBE OIL 68     B     -     -       SHEL STERN TUBE OIL 68     B     -     -       SHEL STERN TUBE OIL 68     B     -     -       SK BIO ST 150     B     -     -     -       SK BIO ST 150     B <td>HLP SYNTH 68</td> <td>В</td> <td>-</td>			HLP SYNTH 68	В	-
STELLA MARIS NRT 100BRSC BIO SOLUTIONSENVIROLOGIC HF 68 HPBRSC BIO SOLUTIONSENVIROLOGIC GO 150BFUTERA HF 68B-FUTERA HF 68B-FUTERA HF 68B-NATURELLE S4 STERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-NATURELLE S4 GEAR FLUID 100B-SHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE OIL 68B-Sheil PANOLIN S4 Stern Tube EAL 100A-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-BIONEPTAN 100CHYDROX BIO 68B-HYDROX BIO 150A-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150B-SHOGEAR XP 150S-SHOGEAR XP 150S-SHOGEAR XP 150S-SHOGEAR XP			HLP SYNTH 100	В	-
Envirologic HF 68 HPB-RSC BIO SOLUTIONSENVIROLOGIC HF 100 HPB-ENVIROLOGIC GO 150B-FUTERA HF 68B-FUTERA HF 68B-NATURELLE S4 STERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-NATURELLE S4 GEAR FLUID 100B-SHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 100A-SHELL STERN TUBE LUBRICANT 100A-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHEIL STERN TUBE LUBRICANT 150B-SK LUBRICANTSSK BIO STBSK LUBRICANTSSK BIO ST 150BBIONEPTAN 100C-Total Energies LubmarineBIONEPTAN 100CBIONEPTAN HT 100A-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150B-BIOGEAR XP 150B-			STELLA MARIS NRT 68	В	-
RSC BIO SOLUTIONSENVIROLOGIC HF 100 HPBRSC BIO SOLUTIONSENVIROLOGIC GO 150BFUTERRA HF 68BFUTERRA HF 68BFUTERRA HF 68BNATURELLE S4 STERN TUBE FLUID 100ANATURELLE S4 GEAR FLUID 100ANATURELLE S4 GEAR FLUID 100BSHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100ASHELL STERN TUBE OIL 68BSK LUBRICANTSSK BIO STSK BIO ST 150BSK BIONEPTAN 1100CTotal Energies LubmarineBIONEPTAN 1100HYDROX BIO 68BHYDROX BIO 150AHYDROX BIO 150AHYDROX BIO 150ABIOGEAR XP 68BBIOGEAR XP 68BBIOGEAR XP 150B			STELLA MARIS NRT 100	В	-
RSC BIO SOLUTIONSENVIROLOGIC GO 150BFUTERRA HF 68B-FUTERRA HF 68B-FUTERRA HF 100B-NATURELLE S4 STERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-SHELLSHELL STERN TUBE FLUID 100B-SHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHEIL STERN TUBE LUBRICANT 150B-SHEIL PANOLIN S4 Stern Tube EAL 100A-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-SK LUBRICANTSBIONEPTAN 100C-BIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150B-BIOGEAR XP 150A-BIOGEAR XP 150B-BIOGEAR XP 150 </td <td></td> <td rowspan="5">RSC BIO SOLUTIONS</td> <td>ENVIROLOGIC HF 68 HP</td> <td>В</td> <td>-</td>		RSC BIO SOLUTIONS	ENVIROLOGIC HF 68 HP	В	-
FUTERRA HF 68BFUTERRA HF 100BFUTERRA HF 100BNATURELLE S4 STERN TUBE FLUID 100ANATURELLE S4 GEAR FLUID 100BSHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 150BSHELL STERN TUBE LUBRICANT 150BSHEIL STERN TUBE OIL 100ASK LUBRICANTSSK BIO STSK LUBRICANTSSK BIO ST 150SK BIONEPTAN 100CTotal Energies LubmarineBIONEPTAN 100HYDROX BIO 100AHYDROX BIO 100AHYDROX BIO 150AHYDROX BIO 150AHYDROX BIO 150ABIOGEAR XP 68BBIOGEAR XP 150B			ENVIROLOGIC HF 100 HP	В	-
FUTERRA HF 100BNATURELLE S4 STERN TUBE FLUID 100ANATURELLE S4 GEAR FLUID 100BSHELLNATURELLE S4 GEAR FLUID 150BSHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 150BSHELL STERN TUBE OIL 68BSHEL ECOSAFE EAL 68BSHEL STERNTUBE OIL 68BSK LUBRICANTSSK BIO STSK BIO STBSK BIO ST 150BBIONEPTAN 100CComparisonAHYDROX BIO 68BHYDROX BIO 100AHYDROX BIO 150AHYDROX BIO 150AHYDROX BIO 150ABIOGEAR XP 68BBIOGEAR XP 150B			ENVIROLOGIC GO 150	В	-
NATURELLE S4 STERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-NATURELLE S4 GEAR FLUID 100B-SHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL ATTERN TUBE LUBRICANT 150B-SHELL STERN TUBE OIL 00A-SK LUBRICANTSEA STERNTUBE OIL 68BSK BIO STB-SK BIO ST 150B-BIONEPTAN 100C-Total Energies LubmarineBIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-			FUTERRA HF 68	В	-
NATURELLE S4 STERN TUBE FLUID 100A-NATURELLE S4 GEAR FLUID 100B-NATURELLE S4 GEAR FLUID 100B-SHELLSHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL PANOLIN S4 Stern Tube EAL 100A-SK LUBRICANTSEA STERNTUBE OIL 68B-SK LUBRICANTSSK BIO STB-SK BIONEPTAN 100C-BIONEPTAN 100C-BIONEPTAN 100A-HYDROX BIO 68B-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-SHOGEAR XP 150B-			FUTERRA HF 100	В	-
VICKERSNATURELLE S4 GEAR FLUID 100BNATURELLE S4 GEAR FLUID 150B-NATURELLE S4 GEAR FLUID 150B-SHELLSHELL STERN TUBE LUBRICANT 100B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150B-SHELL STERN TUBE LUBRICANT 150A-SHELL STERN TUBE OIL 68B-SK LUBRICANTSSK BIO STBSK BIO STB-BIONEPTAN 100C-BIONEPTAN HT 100A-HYDROX BIO 68B-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150B-<				Α	-
VICKERSNATURELLE S4 GEAR FLUID 150BNATURELLE S4 GEAR FLUID 150BSHELLSHELL STERN TUBE LUBRICANT 100BSHELL STERN TUBE LUBRICANT 150BSHELL STERN TUBE LUBRICANT 150BSHELL ECOSAFE EAL 68BShell PANOLIN S4 Stern Tube EAL 100ASINOPECEA STERNTUBE OIL 68BSK LUBRICANTSSK BIO STBSK LUBRICANTSSK BIO ST 150BBIONEPTAN HT 100C-HYDROX BIO 68B-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150B-	s		NATURELLE S4 GEAR FLUID 100		-
SHELL STERN TUBE LUBRICANT 150     B     -       SHELL STERN TUBE LUBRICANT 150     B     -       SHELL ECOSAFE EAL 68     B     -       Shell PANOLIN S4 Stern Tube EAL 100     A     -       BIOPEC     EA STERNTUBE OIL 68     B     -       SK LUBRICANTS     EA STERNTUBE OIL 100     B     -       SK LUBRICANTS     SK BIO ST     B     -       Total Energies Lubmarine     BIONEPTAN 100     C     -       HYDROX BIO 68     B     -     -       HYDROX BIO 150     A     -     -       HYDROX BIO 150     A     -     -       BIOGEAR XP 68     B     -     -       BIOGEAR XP 150     B     -     -	ంర			В	-
VickersShell Stern TUBE LUBRICANT 150BSHELL STERN TUBE LUBRICANT 150B-SHELL ECOSAFE EAL 68B-Shell PANOLIN S4 Stern Tube EAL 100A-EA STERNTUBE OIL 68B-SK LUBRICANTSEA STERNTUBE OIL 100BSK LUBRICANTSSK BIO STBTotal Energies LubmarineBIONEPTAN 100CHYDROX BIO 68B-HYDROX BIO 150A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-BIOGEAR XP 150A-BIOGEAR XP 150A-				В	-
EA STERNTUBE OIL 100B-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-Total Energies LubmarineBIONEPTAN 100C-BIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-				В	-
EA STERNTUBE OIL 100B-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-Total Energies LubmarineBIONEPTAN 100C-BIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-	ASE			В	-
EA STERNTUBE OIL 100B-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-Total Energies LubmarineBIONEPTAN 100C-BIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-	B			Α	-
EA STERNTUBE OIL 100B-SK LUBRICANTSSK BIO STB-SK LUBRICANTSSK BIO ST 150B-Total Energies LubmarineBIONEPTAN 100C-BIONEPTAN HT 100AHYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-	STE	SINOPEC		В	-
SK LUBRICANTSSK BIO STBSK LUBRICANTSSK BIO ST 150BTotal Energies LubmarineBIONEPTAN 100CBIONEPTAN HT 100A-HYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 150B-	Ш			В	-
SK LUBRICANTSSK BIO ST 150BTotal Energies LubmarineBIONEPTAN 100CBIONEPTAN HT 100AHYDROX BIO 68BHYDROX BIO 100AHYDROX BIO 150AHYDROX BIO 150ABIOGEAR XP 68BBIOGEAR XP 100BBIOGEAR XP 150A		SK LUBRICANTS		В	-
Total Energies LubmarineBIONEPTAN 100CBIONEPTAN HT 100A-HYDROX BIO 68B-HYDROX BIO 100A-HYDROX BIO 150A-BIOGEAR XP 68B-BIOGEAR XP 100B-BIOGEAR XP 150B-				В	-
BIONEPTAN HT 100   A   -     HYDROX BIO 68   B   -     HYDROX BIO 100   A   -     HYDROX BIO 150   A   -     BIOGEAR XP 68   B   -     BIOGEAR XP 100   B   -     BIOGEAR XP 150   B   -		Total Energies Lubmarine		С	-
HYDROX BIO 68   B   -     HYDROX BIO 100   A   -     HYDROX BIO 150   A   -     BIOGEAR XP 68   B   -     BIOGEAR XP 100   B   -     BIOGEAR XP 150   B   -			BIONEPTAN HT 100	Α	-
HYDROX BIO 100   A   -     HYDROX BIO 150   A   -     BIOGEAR XP 68   B   -     BIOGEAR XP 100   B   -     BIOGEAR XP 150   B   -		VICKERS			-
HYDROX BIO 150   A   -     BIOGEAR XP 68   B   -     BIOGEAR XP 100   B   -     BIOGEAR XP 150   B   -					-
BIOGEAR XP 68 B   VICKERS BIOGEAR XP 100 B   BIOGEAR XP 150 B -					-
VICKERS BIOGEAR XP 100 B -   BIOGEAR XP 150 B -					-
BIOGEAR XP 150 B -					-
					-
ECOSTERN SMX 100 B -			ECOSTERN SMX 100	B	-
ECOSURE EAF 68 B -					-
ECOSURE EAF 100 B -					-

A : Good (A+ :greater than A)

B : Fair / Size limitation or application limit. Consult KEMEL for details.

C : Passing / Temperature limit & application limit. Consult KEMEL for details.

Remarks

1. For FWD seal, it is strongly recommended to use the highly compatible oils of rank A.

2. For AFT seal, it is strongly recommended to apply oil line to chamber between seal rings #2 and #3.



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- 3. Other than the compatibility, all properties and characteristics of the each oil; including effects of dew, water or seawater inclusion, heat, mixture with residues of other oil grades replaced or used for shaft work & flushing, paint, dirt or water in tanks & pipes in initial oil filling, oil maintenance and storage etc. are out of KEMEL's scope. For proper operation of stern tube system, obtain information / instruction on these particulars from each oil makers.
- 4. Oils are listed as "Biodegradable" according to oil maker's information. Confirm with the oil maker if the oil meets EAL requirements by the US rule VGP 2013.
- 5. Follow ship builder's recommendation of oil viscosity if it is specified for stern tube bearing lubrication.
- 6. Oil list will be revised without notice.