

CARRIAGE OF OILS AND FATS

Two topics discussed within the Technical and Oils and Fats Committees have now been endorsed by the Council resulting in changes to the Carriage of Oils and Fats document.

1. Addition of High Oleic Palm Oil (HOPO) in the FOSFA Heating Recommendations

HOPO is a hybrid type of palm oil that is increasingly produced and shipped from South American countries such as Colombia, Guatemala, Ecuador and others. To assist and avoid misunderstanding by comparison with normal crude palm oil when shipping, heating recommendations for HOPO will be provided in the FOSFA Heating Recommendations in the Carriage of Oils and Fats (section A-8 to A-9). The Council endorsed the heating recommendations for HOPO as indicted in red in Table 1 as follows:

Table 1: Extract of heating recommendations for palm oil products including HOPO

OIL TYPE	TEMPERATURES DURING VOYAGE		TEMPERATURES AT DISCHARGE		SEE NOTE
	MIN (°C)	MAX(°C)	MIN (°C)	MAX (°C)	
Palm Kernel Oil	27	32	40	45	
Palm Kernel Olein	25	30	30	35	
Palm Kernel Stearin	32	38	40	45	
Palm Oil	32	40	50	55	
Palm Oil – High Oleic (HOPO)	25	30	40	45	
Palm Olein	25	30	30	35	
Palm Stearin	45	50	60	70	4

4. Different grades of palm stearin may have wide variations in their slip melting points and the temperatures quoted may need to be adjusted to suit specific circumstances.

The Heating Recommendations for HOPO will come into effect on **1 July 2025** from which date the amended Carriage of Oils and Fats document will be available for download on the FOSFA website.

The attached pages should be inserted in the Carriage publication, thereby replacing the current A8 -A9 pages, and the Record of Amendments annotated accordingly.

2. List of Acceptable Previous Cargoes

Denatured ethanol as previous cargo is not treated consistently by charterers and shippers, and clarification was required to ensure consistent practices. Various denaturants such as Bitrex, pyridine, methanol and others are added at very low levels (often less than 1%) to alcohol such as ethanol to make it unacceptable for edible purposes. Excluding denatured alcohol containing a denaturant such as Bitrex would unnecessarily and significantly impact the available freight space.

The issue was discussed by the Technical and Oils and Fats committees and the Council subsequently endorsed the recommendation to add the proposed text in red to the entry of ethanol in the List of Acceptable Previous Cargoes as follows:

SUBSTANCE	Synonym or alternative name (if any)
Ethanol (denatured alcohol is acceptable unless the denaturant is present on the List of Banned Immediate Previous Cargoes)	ethyl alcohol; spirits

The List of Acceptable Previous Cargoes will be amended accordingly and will come into effect on **1 September 2025** from which date the amended Carriage of Oils and Fats document will be available for download on the FOSFA website.

The revised List of Acceptable Previous Cargoes will be circulated to members closer to the time in a Circular at the end of July.



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FOSFA HEATING RECOMMENDATIONS

OIL TYPE	TEMPERATURES DURING VOYAGE		TEMPERATURES AT DISCHARGE		SEE NOTE
	MIN (°C)	MAX (°C)	MIN (°C)	MAX (°C)	
Castor Oil	20	25	30	35	
Coconut Acid Oil	27	32	40	45	
Coconut Oil	27	32	40	45	
Cottonseed Oil	Ambient		20	25	2
Fish Acid Oil	20	25	35	40	
Fish Oil	20	25	25	30	
Grapeseed Oil	Ambient		15	20	2
Grease	37	42	50	55	
Groundnut Oil	Ambient		20	25	2
Hydrogenated Oils	Various		Various		3
Illipe Butter	37	42	50	55	
Fatty Acid Methyl Esters (FAME) from Maize/Rapeseed/Soyabean/Sunflower	Ambient		Ambient		2
Fatty Acid Methyl Esters (FAME) from Coconut/Palm/Palm Kernel/Tallow	25	30	30	40	
Lard	38	45	50	55	
Linseed Oil	Ambient		15	20	2
Maize (Corn) Oil	Ambient		15	20	2
Maize/Soya/Sun Acid Oil	30	35	45	55	
Mixed Soft Rape Acid Oil	20	25	30	35	
Oiticica Oil	24	32	35	40	
Olive Oil	Ambient		15	20	2
Palm Acid Oil	45	50	55	72	
Palm Fatty Acid Distillate	45	50	55	72	
Palm Kernel Acid Oil	27	32	40	45	
Palm Kernel Fatty Acid Distillate	27	32	35	45	
Palm Kernel Oil	27	32	40	45	
Palm Kernel Olein	25	30	30	35	
Palm Kernel Stearin	32	38	40	45	
Palm Oil	32	40	50	55	
Palm Oil – High Oleic (HOPO)	25	30	40	45	
Palm Olein	25	30	30	35	
Palm Stearin	45	50	60	70	4
Rapeseed Oil (HEAR Type)	Ambient		15	20	2
Rapeseed Oil (LEAR Type or Canola)	Ambient		15	20	2
Safflower Oil	Ambient		15	20	2
Sesame Oil	Ambient		15	20	2
Sheanut Butter	37	42	50	55	
Soyabean Oil	Ambient		20	25	2
Sunflowerseed Oil	Ambient		15	20	2
Tallow (for voyages of 10 days or less)	Ambient		55	65	2
Tallow	44	49	55	65	

Notes as over page

NOTES

1. The maximum temperature specified during the voyage is lower than the minimum required for discharge, in some cases by as much as 15°C. Bearing in mind the stipulation contained in paragraph 3.1.6, it should be recognised that in some cases ships officers will need to apply heat a few days prior to arrival in order to reach the appropriate discharge temperature.
2. It is recognised that in some cases the ambient temperatures may exceed the recommended maximum figures shown in the Heating Recommendations.
3. Hydrogenated oils can vary considerably in their slip melting points, which should always be declared. It is recommended that during the voyage, the temperature should be maintained at around the declared melting point and that this should be increased prior to discharge to give a temperature of between 10°C and 15°C above that point to effect a clean discharge.
4. Different grades of palm stearin may have wide variations in their slip melting points and the temperatures quoted may need to be adjusted to suit specific circumstances.