

The Outlook for NSR

北極海航路の現状と展望

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調査役 合田浩之(ごうだひろゆき)

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【1】The Present 現状

① NSR Cargo Volume - NSRの貨物荷動き

② The Types of Vessels got permission for Navigation on the water area of the NSR by the NSR Administration in 2015 - 2015年に通航許可を得た船の種類

(FYI)

① NSR Cargo Volume

貨物荷動き

Cargo Volume of Northern Sea Route				
	Unit : million ton			
Year	2013	2014	2015	2030
Transit Shipping	1.30	0.30	0.10	5.00
Destination Shipping	2.80	3.70	4.50	78.00
合計	4.10	4.00	4.60	83.00
Russia Deputy Ministry of Transport Mr.Olersky (at "The Arctic Circle".)				
(The BarentsObserver 2015/10/17)				
	Unit : million ton			
	2013年	2014年		
Suez Cana Transit	754.46	822.34		
Suez Canal Authority				

② Non-Russian Flag Vessels, got permission to navigate from NSRA

2015年に通航許可を得た船(非ロシア籍)の種類

Non Russian Flag Vessels, which got permissions from NSRA (As of Oct. 05th)		
Type of Ships	No.	Share
Offshore Support Vessels	13	11.7%
Vessels for Marine Engineering	24	21.6%
Scientific Research Vessels	1	0.9%
Cruise ship	1	0.9%
Sismic Reserch vesels	7	6.3%
Vessel for transportation (Breakdown)	65	58.6%
Product/Chemical Tanker	9	8.1%
Crude Oil Tanker	1	0.9%
Multi Purpose Carriers	3	2.7%
General Cargo ships	9	8.1%
Heavy Lifter	23	20.7%
Bulkier	18	16.2%
Reefer boat	1	0.9%
Palet Carrier	1	0.9%
Total	111	100.0%
Hiroyuki Goda (Source NSRA)		

- Offshore support vessels – Oil & Gas development at Kara Sea, Barents Sea. バレンツ海・カラ海の石油ガス開発関連の船が多い。
- Vessels for Marine Engineering , Heavy lifters, and Bulker for construction of Sabetta Port, Gulf of Ob .サベッタ港の土木工事の作業船, プロジェクト貨物輸送用の重量物船・バルカーが多い。

(FYI) COSCO “Yong Sheng”



<https://www.vesselfinder.com/news/4083-First-vessel-ever-from-China-to-Sweden-via-Northwest-Passage>

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【2】 The Outlook for near Future

近未来の展望

① Yamal LNG Project「Icebreaking」LNG

Tanker ヤマルLNGプロジェクト関連の「砕氷型」LNG船

② Transportation for Project Cargo

プロジェクト関連の資材・機器輸送

(FYI)

① Yamal LNG Project

「Icebreaking」LNG Tanker (172400-cbm)



① Teekay (Canada) 6 ships

✂️ China LNG...50%

② Mitsui OSK (Japan) 3 ships

✂️ China Shipping...50%

③ Dynagas (Greece) 5 ships

Sinotrans 25.5%

China LNG 25.5%

Dynagas 49.0%

✂️ Dynagas got T/C (15 years)

4 standard ships in addition.

(2019~)

(Image)

http://www.bureauveritas.com/home/news/business-news/arctic-ice-breaking-lng-carriers-bureau-veritas-classed?presentationtemplate=bv_master_v2/news_full_story_presentation_v2

② Transportation for Project Cargo プロジェクト関連の資材・機器輸送



<http://akerarctic.fi/en/references/concept/arctic-module-carrier>

Discharging the construction materials at Sabetta Port
Sabetta 港での建設資材の陸揚げ
“Barents Observer” 2014/04/14



Development of Novy Port

Novy Portも開発が進む



Arctic-Info 2015/05/25



Barents Observer 2015/10/05

(FYI) Order book of Ice class Vessels (1AS,1A) and Icebreakers - 各国船主の氷海に対応した船への投資状況

- There are many ships, which are suitable for Project Cargo Transport, and which are Offshore Support Vessels on Order. - プロジェクト貨物輸送に適した船と、海洋石油ガス開発関連の作業船への投資が盛ん。

Order book of Ice- Class Vessels(1AS,1A) and Icebreakers				
	Icebraker	1AS	1A	total
Multi-Purpose			7	7
Anchor Handling Tug/Supply	3		1	4
Multi-Purpose/Heavy Lift Cargo			4	4
Icebreaker	3			3
Ocean-going Salvage Tug	2	1		3
Pass./Car Ferry		1	2	3
Chem Parcel Tanker			2	2
Transport (Heavy Lift)		2		2
Bulk Carrier			1	1
Cement Carrier			1	1
Fully Cellular Container			1	1
LNG Carrier			1	1
Multi-Functional Support			1	1
Seismic Support			1	1
Total	8	4	22	34

source NYK, As of 1st. Nov. 2015

Thank you for your kind attention.

ご清聴ありがとうございました。



M/S “Kaiho Maru”快鳳丸 (1917 -1945) – Fishery Patrol Vessel漁業取締船 (1091 Gross Ton)

Belonging to Japanese the ministry of Agriculture, Forestry, Bureau of Fisheries. 農林省水産局所有

She reached the Chukchi Sea in 1936, reached East Siberian Sea in 1937.

昭和11年チュクチ海, 翌12年東シベリア海に到達。

In 1941 Summer, she commenced to pass through NSR, unfortunately were stopped the voyage at the halfway, due to outbreak of the world war II at Europe.

昭和16年夏 北極海通過のために出発するも, 途中, 独ソ戦勃発。農林省から帰国命令を受ける。