



CERTIFICATE

TBT-Free Antifouling

PPG Protective & Marine Coatings

hereby declares that **SIGMA ECOFLEET 530**
antifouling coating was applied on the underwater area of:

MV Hapo-282 - IMO No. 8976231

of **HAPO International Barges BV**

during Week 31 , 2023 at Damen shipyard, in Schiedam, Netherlands.

SIGMA ECOFLEET 530 is a TBT-free antifouling coating that complies with the terms of the IMO Convention on the Control of Harmful Antifouling Systems on Ships of 2001 (AFS/CONF/26).

SIGMA ECOFLEET 530, applied in the colour(s):

☒ Brown / ☒ Red-brown / ☐ Other:

is a one component, high performance TBT free self-polishing antifouling coating, containing the following active ingredients:

- | | |
|--|--------------------|
| ▪ Dicopper oxide | CAS no: 1317-39-1 |
| ▪ 4,5-Dichloro-2-octyl-2H-isothiazol-3-one | CAS no: 64359-81-5 |

The antifouling system was applied directly over:
an existing tin-free antifouling system
supplied by PPG Protective-Marine Coatings

PPG Protective & Marine Coatings cannot be held liable for any consequences arising out of or in connection with the information provided in this certificate.

PPG Protective & Marine Coatings

Ostrow, Poland

Date: 08-2023



**PPG Protective &
Marine Coatings**

Bringing innovation to the surface.™