

Read-Across No Objection Letter

P.P. Winterthur Gas & Diesel AG, PO Box 414, CH-8401 Winterthur

Grupa Lotos S.A.
Mrs Anna Kobylanska
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Winterthur, 20. March 2020

Read-Across No Objection Letter: Lotos Marinol RG 4050 (BN40, SAE 50)

The **Grupa Lotos S.A.** cylinder oil **Marinol RG 4050**, blended with **API group I base oil and bright stock thickener**, has completed a lube oil quality survey (LOQuS) test. Based upon the results of the tests and previous completed validation tests of a lubricating oil mixed with the identical additive package, treat rate, base oil group and thickener for **4'000 hours** on-board the vessel **MV Akerdijk (IMO 9491501)**, fitted with a **6RT-flex60C-B** engine, and for **2'000 hours** on the vessel **Santa Barbara (IMO 9430399)**, fitted with a **8RT-flex96C-B** engine, Winterthur Gas & Diesel (WinGD) has no objection to the use of the mentioned lubricating oil in WinGD X, WinGD X-DF (liquid fuel only), WinGD RT flex, WinGD RT flex-DF (liquid fuel only), Wärtsilä RTA, Wärtsilä RT-flex and Wärtsilä X engines as well as in Sulzer 2-stroke engines operating on fuels with a sulphur content in the range of **0.10<S<1.50 % m/m**. The use in combination with fuels with a sulphur content **<0.10 % m/m** for compliance in ECA is **limited to 300 h** at a time.

Grupa Lotos S.A. assumes all responsibility for the performance of the mentioned product in service in the mentioned engine types to the exclusion of any liability of WinGD and companies belonging to the WinGD group. **Grupa Lotos S.A.** along with other possible manufacturers and distributors of the mentioned product shall indemnify, compensate and hold harmless WinGD and companies belonging to the WinGD group from and against any claims, damages and losses caused by the mentioned product. The application must comply with WinGD's lubricating oil requirements and recommendations. Lubricants should be used as recommended in the WinGD Operation Manuals, Technical Bulletins and other guidelines issued by WinGD.

Grupa Lotos S.A. undertakes to inform the undersigned representatives of any subsequent changes in the formulation of the mentioned product. This **Read-Across No Objection Letter is valid for a period of two years** from the date of issue and may be re-issued and extended if satisfactory field performance is proven during the two-year period.

Yours sincerely,



Konrad Räss
Director Research & Development
Winterthur Gas & Diesel Ltd.



Dr. Rudolf Holtbecker
Director Operations
Winterthur Gas & Diesel Ltd.