

Handled by
K Juoperi

Reference
NoL Titan Ganymet Pro LA

Date
26 September 2018

Revision

Page
1 (2)

Fuchs Petrolub SE
Attn. Mr. Jannis Schüler

NO OBJECTION LETTER: FUCHS TITAN GANYMET PRO LA SAE 40

Dear Sir,

The Fuchs Titan Ganymet Pro LA SAE 40 gas engine oil has gone through a 4 418 -hour validation test in the Wärtsilä® 20V34SG PA AE263115 engine at the United Ashuganj Energy power plant located in Bangladesh. Based on the results of the engine inspection and the lubricating oil analyses, Wärtsilä has no objection to the use of the following Fuchs product:

Titan Ganymet Pro LA SAE 40 (SAE Grade: 40, Base Number: 5,54 mg KOH/g, Sulphated ash content: 0,5 % m/m)

The statement is valid for the engine types Wärtsilä® 175SG, Wärtsilä® 220SG, Wärtsilä® 25SG, Wärtsilä® 28SG, Wärtsilä® 31SG, Wärtsilä® 34SG, Wärtsilä® 50SG, Wärtsilä® 20DF, Wärtsilä® 31DF, Wärtsilä® 32DF, Wärtsilä® 34DF, Wärtsilä® 46DF and Wärtsilä® 50DF with natural gas as main fuel. The gas quality has to fulfil the gas specification of Wärtsilä and the engine type specific lubrication requirements have to be taken into account.

Use of Fuchs Titan Ganymet Pro LA SAE 40 lubricating oil in the engine types Wärtsilä® 20DF, Wärtsilä® 31DF, Wärtsilä® 32DF, Wärtsilä® 34DF, Wärtsilä® 46DF and Wärtsilä® 50DF is limited to the installations running mostly on natural gas as a main fuel and fulling the criteria set for the allowed use of low ash gas engine oils. If a liquid fuel is used as main fuel, higher BN lubricating oils designed and validated for distillate fuel operation of medium-speed diesel engines have to be used.

This lubricating oil will be included in Wärtsilä's list of lubricating oils having passed Wärtsilä's lubrication oil testing criteria.

Handled by
K JuoperiReference
NoL Titan Ganymet Pro LADate
26 September 2018

Revision

Page
2 (2)

Fuchs Petrolub SE undertakes all responsibility for the performance of this lubricating oil in service of the above mentioned engine types to the exclusion of any liability of any Wärtsilä company belonging to Wärtsilä group.

Fuchs Petrolub SE along with other possible manufacturers and distributors of the product in question shall indemnify, compensate and hold harmless Wärtsilä and companies belonging to Wärtsilä group from and against any claims, damages and losses caused by the lubricating oil in question.

Fuchs Petrolub SE undertakes to inform the undersigned / responsible representatives of Wärtsilä of any subsequent changes in the formulation of the lubricating oil brand in question.

Yours faithfully,

Wärtsilä Finland Oy

Marine Solutions / Marine Power Solutions / R&D and Engineering



Stefan Saario

General Manager, Engine Operation Expertise



Kai Juoperi

Chief Expert, Engine Fluids