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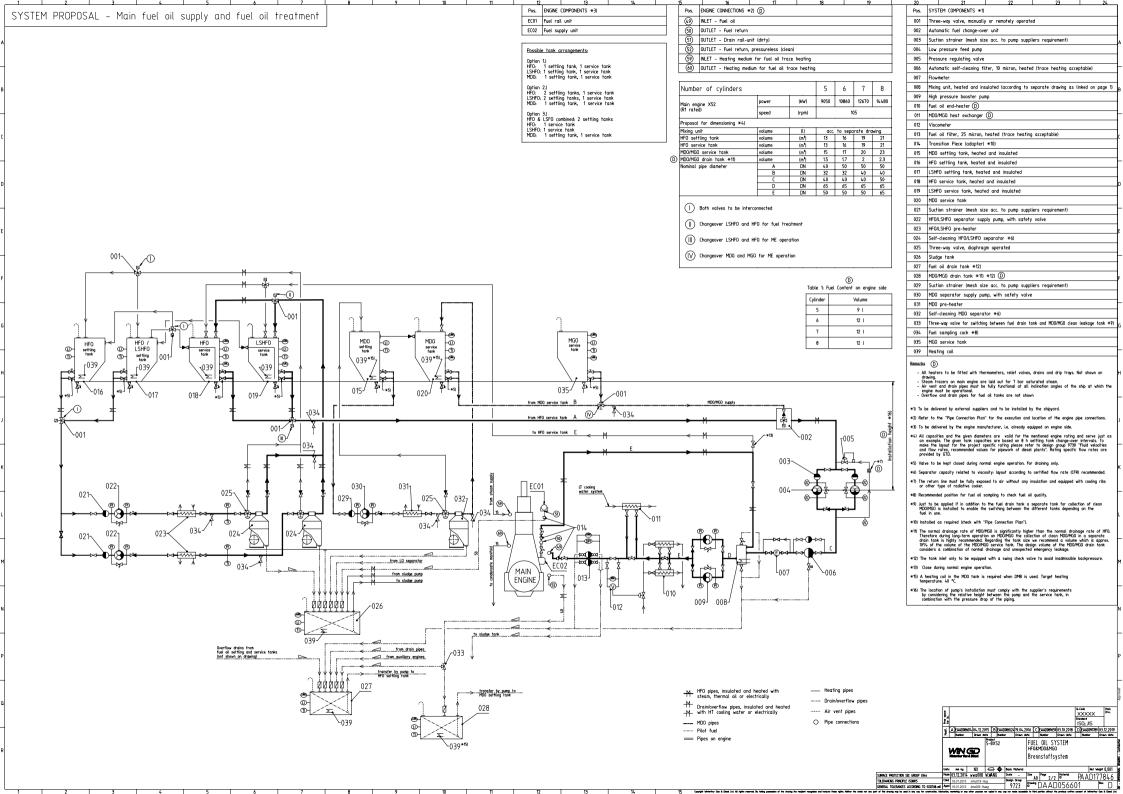
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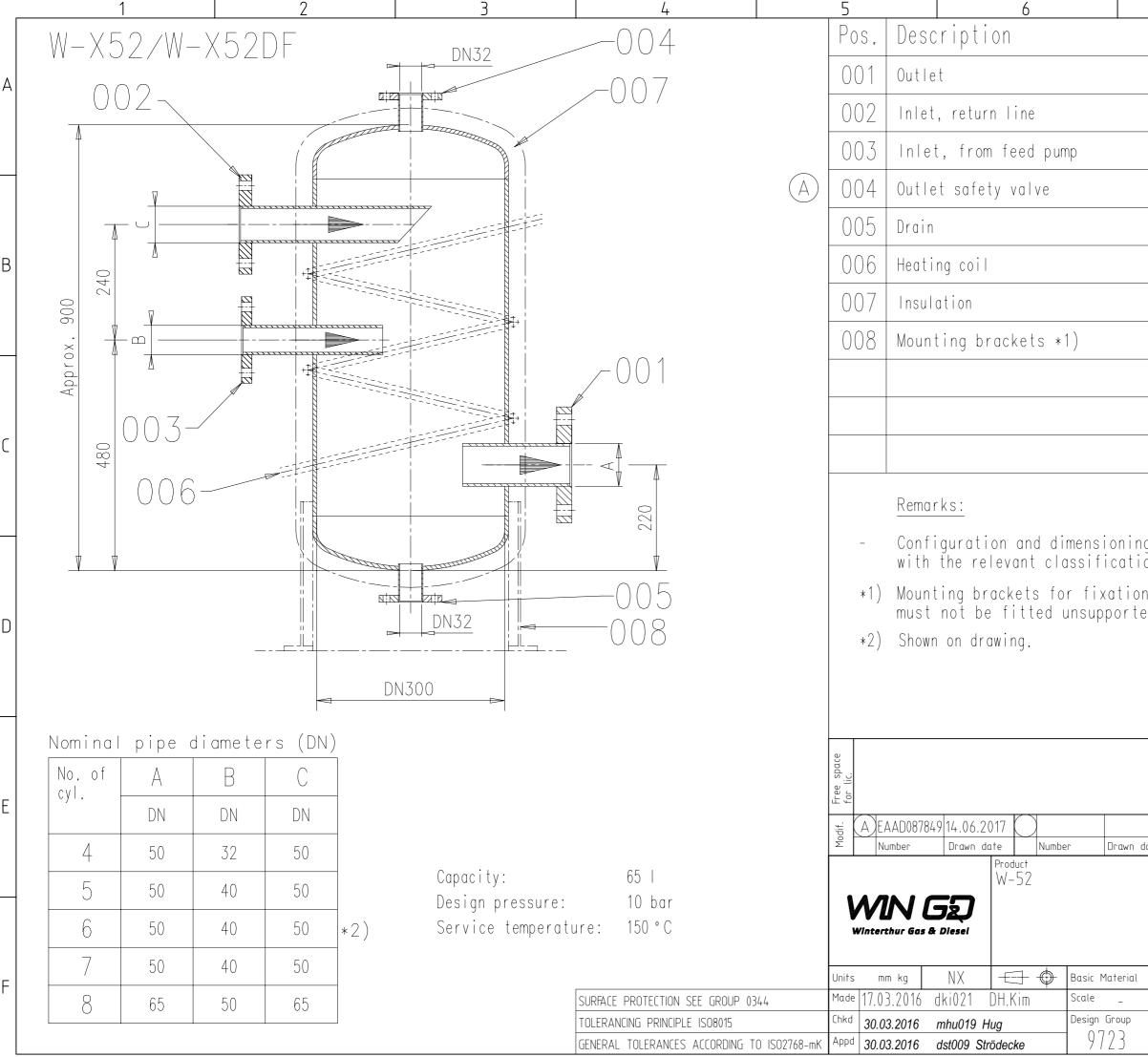
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	SPECIFICATION which must be met							
60	OUTLET - Heating medium for fuel oil trace heating - Connected to condensate manifold or thermal oil return	(49)	INLET - Fuel oil					4
		0	Fuel oil quality at engine inlet: a Pressure at engine inlet: stopped	5 .	Marine Installation M	1anual (MIM)		
				engine: 7–10 bar				_
	X52		Viscosity: - Viscosity for HFO: 10-20 cSt (re - Viscosity MDD/MGO: 2-20 cSt	commendation: 13–17 cSt)				E
			Filtration: - At least one filter unit close to - One filter unit with max. 10 micu (either in feed- or booster circu	ron (absolute, sphere passi uit)	-			_
			<ul> <li>Bypass filter in parallel to the</li> <li>Fuel change-over:</li> <li>Max. temperature gradient durin</li> <li>Fuel amount on engine side: mer</li> <li>Fuel amount on system side: acc</li> </ul>	g fuel change-over: 2 °C/π itioned in table 1 on page	nin 2.	ute, sphere passing	mesh)	C
		(50) (D)	OUTLET - Fuel return - Normal operation condition: Re - During fuel change-over while					
	<sup>(59)</sup>	(51) (D)	OUTLET - Drain rail-unit (dirty) - Dirty fuel: Mixed drain (LO,FO, - Free flow by gravity to sludg - Pipe insulated and heated up	) from rail-unit, not for ge oil tank or appropriat	re-use			C
	60 (49)	52) D	OUTLET – Fuel return, pressure – This pressureless fuel return <u>'Normal drainage</u> ' Expected (design) fuel return <u>'Leakage</u> ' Unexpected fuel return from	consists of the followin from the fuel pump and an emergency situation	I injection control si only (e.g. high press	side during normal sure pipe damage).		E
			- Clean fuel must be collected - Piping must be insulated and	in a drain fank (or app heated (50–95°C)	<pre>`opriate tank) by g</pre>	ravity free flow		
		(59)	INLET - Heating medium for fue - Connected to steam or therm	2				F
	FREE END (52)			1 008 PAAD222763	MIXING UNIT	DAAD076916	16	0,001
					Material Name	Standard or Dimension, Occ Drawing	Basic Material Material Standard Q-Code XXXXX Standard	Weight 🏹
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			SURFACE PROTECTION SEE GROUP 0344 TOLERANCING PRINCIPLE ISO8015 GENERAL TOLERANCES ACCORDING TO ISO2768	Mαde         03.12.2014         wwa008         W.V           Chkd         16.01.2015         mhu019         Hug           3-mK         Appd         16.01.2015         bha009         Haag	Design Group 9723	<u>A2</u> <u>1/2</u> <u>1</u> <sup>wing</sup> DAAD0566	PA A D 17 601	ight 0,001 YN005N346 7846 46 Rev. D 6
1	2 Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes an	nd honours these rights. Neither the whole	nor any part of this drawing may be used in any way for construction	n, fabrication, marketing or any other purpose nor co	, we in any way nor made accessible to t	third parties without the previous writh	ten consent of Winterthur Gr	.as & Diesel Ltd.

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## MIDS WinGD X52 FUEL-OIL-SYSTEM

## TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-15 DRAWING SET First web upload		First web upload
2017-08-07	DAAD076916	Mixing unit - drawing replaced with new revision
2018-10-01	DAAD056601 DAAD061728	System drg - new revision Main drg- new revision
2020-09-30	DAAD056601	System drg – new revision

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