



Material Properties: Castings, Forgings or Rolled Steel Products

Office: **Oslo** Continuation of Certificate Number: **OSL 2300125/1**

Mechanical Properties

Cast Number	Test Number	Tensile Test Direction of test	Yield Stress N/mm2	1.0% Proof Stress N/mm2	Tensile Strength N/mm2	Elongation %	Reduction of Area %	Impact Test Charpy V Notch 2mm ISO Direction of Test	Specimen Size	Test temp °C	Joules				Hardness Type HBW
											1	2	3	AV.	
566109	BM,T	Longit.	236	279	533	59,5	67	L	10x10x55	21	170	166	189	175	135
				N/A											Grain Size: 3,5
				N/A											ASTM E112
				N/A											
				N/A											
				N/A											

Chemical Composition and Heat Treatment

Cast Number	Composition of Ladle Samples % - As Stated by the Manufacturer															Heat Treatment	
	C	Mn	Si	P	S	Al	Nb	V	Ti	Ni	Cu	Cr	Mo	B	N		
566109	0,029	1,75	0,32	0,029	0,025					9,9		16,7	2,00		0,03		Annealed

Issued at **Oslo** on **13 March 2023**
Oslo, Tests carried out by Kiwa AS, Kongsberg. Ref. Rpt. No.: 23NO-000100OR01

13 March 2023

Stein M. Vangen
Stein M. Vangen
Oslo Office
Lloyd's Register EMEA

Stein M. Vangen
Surveyor to Lloyd's Register EMEA
A subsidiary of Lloyd's Register Group Limited

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.