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SONOMETRIC INSPECTION CC MAGNETIC PARTICLE INSPECTION CERTIFICATE OF TEST

CERTIFICATE NO: SLRN.611 **DATE:** 16th April 2007
CLIENT: Hesper Engineering (Pty) Ltd
VESSEL: "Hemisferio Sul"
ITEM: Tail Shaft
ADDRESS: P.O. Box 390, Paarden Eiland, 7420.
DATE OF TEST: 13th April 2007
LOCATION: Hesper Engineering Workshop, Verbena Street, Paarden Eiland.

AREA (S) TESTED: Taper with two key-way.
MATERIAL TYPE: Steel (Ferretic)
SURFACE CONDITION: As welded, free of spatter.
TEST TECHNIQUE: Electromagnetic Principle
FIELD STRENGTH: AC current
EQUIPMENT: Parker electromagnet Magna Flux. Castrol strip type 1.
PARTICLE TYPE:

1. Wet	2. Non Fluorescent
3. Solvent remover type:	Ardrox 9PR551 Batch number: 032306-20051117
4. Particle colour and type:	Ardrox 800/3 Batch number: 102706-06L074
5. Background colour and type:	Ardrox 8901W Batch number: 054906-06E130

RESULTS OF TEST:

This is to certify that Magnetic Particle Inspection was carried in accordance with Sonometric Inspection CC

Procedure: QMS.SI.05 on the above items in accordance with the Client's instructions.

1. No relevant surface indications were noted in all areas of inspection.

TECHNICIAN: A. Groenewald

Signature:



QUALIFICATIONS: ASNT-SNT-TC-1A UT, MT & PT Level 2

**HESPER ENGINEERING
 MARINE AND GENERAL ENGINEERS**