SHANGHAI JIAO TONG UNIVERSITY

TEST REPORT

TEST NAME SUPFLEX ANCHOR BAR LOW TEMPERATURE TENSILE TEST

CONSIGNMENT UNIT SUPFLEX PONTOON MOORING SYSTEMS INC.

UNDERTAKE UNIT EXPERIMENTAL CENTRE OF ENGINEERING MECHANICS

VERIFICATION

EXAMINE AND APPROVE

DATE OF TEST April 18, 2004.

SHANGHAI JIAO TONG UNIVERSITY

TEST REPORT OF ENGINEERING MECHANICS EXPERIMENTAL CENTRE

CONSIGNMENT UNIT: SUPFLEX PONTOON MOORING SYSTEMS INC.

TEST CONTENT: SUPFLEX ANCHOR BAR HIGH TEMPERATURE TENSILE TEST

TEST EQUIPMENT: ZCS-25 MATERIALS TESTING MACHINES
TEST LOAD IN TENSILE/COMPRESSION ±25T
KLASSE: ±0.5%.

TEST REQUIREMENT: WHEN THE TEST SPEED IS 0.5mm/s, SINGLE SAMPLE OF ANCHOR BAR UNDER THE HIGH TEMPERATURE OF 50 DEGREE AND 735kg TEST LOAD IN TENSILE, REPORT THE COEFFICIENT OF EXTENSION OF THE MIDDLE RUBBER JOINT

TEST RESULT: WE CAN OBSERVE FROM THE CURVE THAT NONLINER PHENOMENON OCCURS OBVIOUSLY WHEN THE TENSILE LOAD EXCEEDS 500kg, THE COEFFICIENT OF EXTENSION IS 56.29%.
UNDER THE MAXIMUM TENSILE LOAD OF 735kg, THE SAMPLE UNBREAK APPARENTLY, BUT THE LOAD BEGINS TO DROP. THE COEFFICIENT OF EXTENSION IS 70.29%.

500kg:

The original length of the rubber joint L_0	Extension of the rubber joint ΔL	Coefficient of extension
70.00mm	39.40mm	56.29%

735kg

The original length of the rubber joint L_0	Extension of the rubber joint ΔL	Coefficient of extension
70.00mm	49.20mm	70.29%

TEST ORIGINAL DATA AND GRAPH: (ADD)

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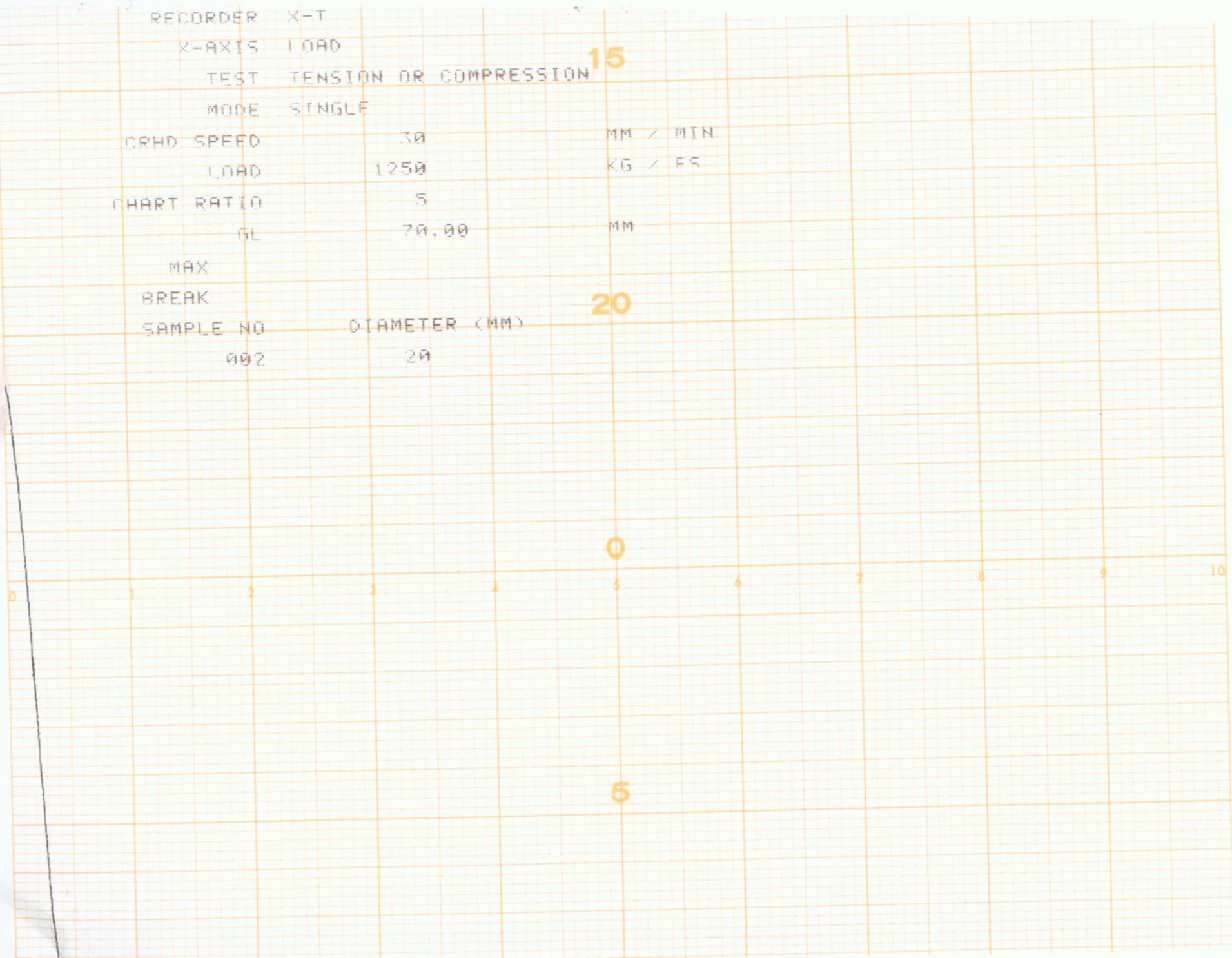
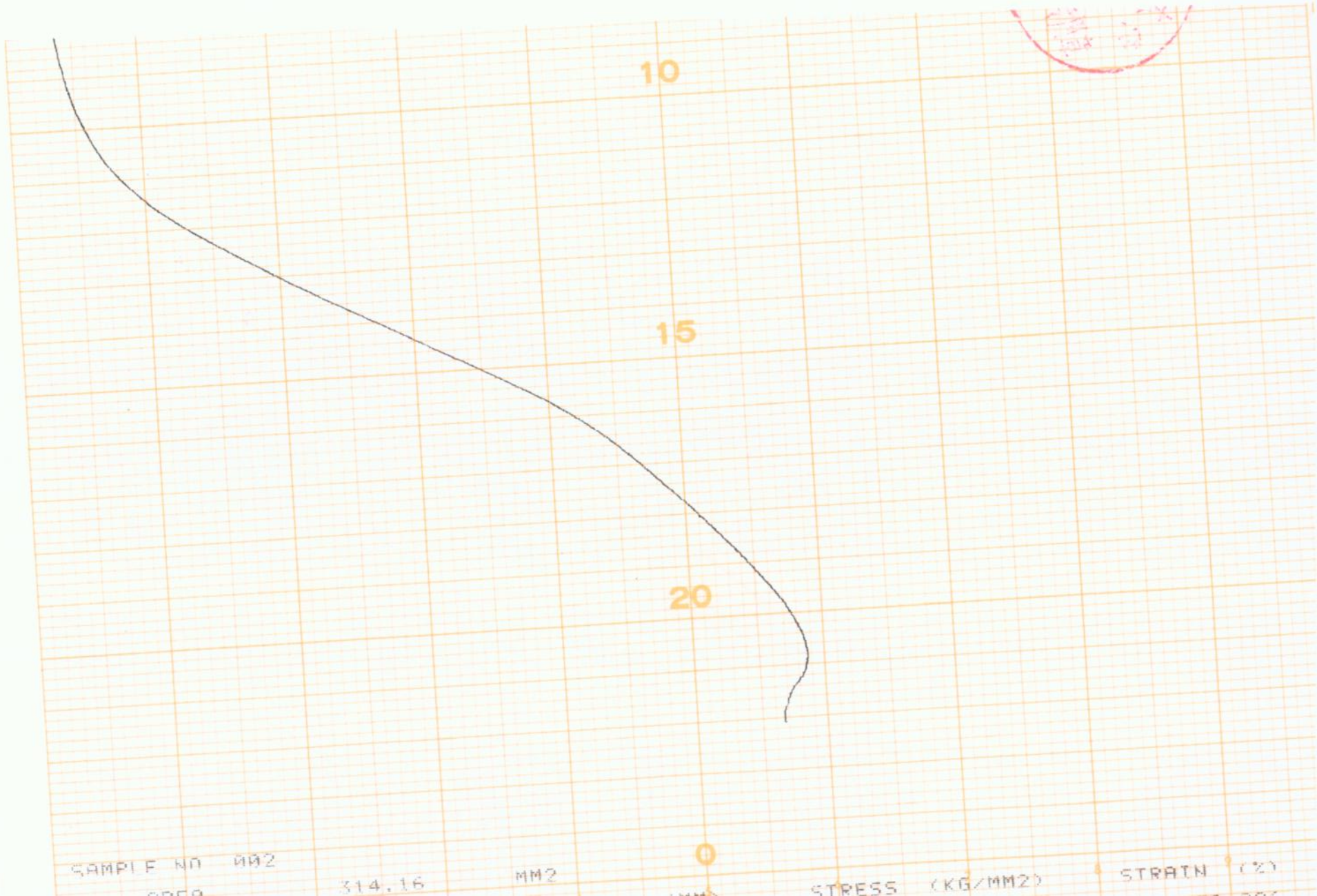
RECORDER	X-T	
X-AXIS	LOAD	
TEST	TENSION OR COMPRESSION	
MODE	SINGLE	
CRHD SPEED	30	MM / MIN
LOAD	1250	KG / FS
CHART RATIO	5	
GL	70.00	MM

MAX
BREAK

SAMPLE NO	DIAMETER (MM)
002	20




10
15
20
0
SAMPLE NO MM2
314.16
MM2
STRESS (KG/MM2)
STRAIN (%)

EXPERIMENTER:

April 18, 2004.

THE REPORT IS ONLY THE SAMPLE-ORIENTED ANALYSIS