

# GREUTER ENGINEERING LTD.

## INSPECTION | NON-DESTRUCTIVE TESTING | CERTIFICATION

### Certification Report

May 13, 2025

File: GE-2788-13

Ref: VNDR-1050

Tharrow Crane Ltd.  
2895 Gunn Road  
Prince George, BC V2N 2H8

Attention: Glenn Lafleche

**Re: Certification of a Ferrari Articulating Crane**

**Model: C990**

**Serial: 96058**

**Unit: 06**

#### **Structural Inspection**

Visual inspection and magnetic particle testing were performed on the accessible structural components of the above-described equipment by Vital NDT Inspections personnel. Reference Vital NDT Inspections report VNDR-1050 dated May 13, 2025 for complete structural inspection findings. No structural repairs are required at this time.

#### **Mechanical and Controls Inspection**

The mechanical and control systems were inspected by Crane Rail & Utility Specialist personnel. Reference inspection report dated April 30, 2025 for complete mechanical/controls inspection findings. Greuter Engineering has received the inspection documentation and judged it acceptable.

#### **Certification**

Annual inspections were performed in accordance with ASME B30.22-2005 "Articulating Boom Cranes" and the applicable occupational health and safety regulations. Based on the inspection findings **the equipment is judged to be safe for use**. Stability testing documentation by Kova Engineering, reference drawing no. P6059-2.

The equipment shall be inspected, operated, and maintained in accordance with the manufacturer's instructions, applicable codes and standards, and OH&S regulations. All structural repairs or modifications to the equipment must be approved in writing by Greuter Engineering prior to the work being performed. Any unauthorized repairs or modifications, or the equipment being involved in a misadventure will immediately void this certification.

**Next Inspection Due: May 13, 2026**

Regards,

Greuter Engineering Ltd. (EGBC Permit No. 1002364)



Nick Greuter, P.Eng.  
CWB Visual 3 (11740)  
CGSB MT 2 | PT 2 (17490)

# CRANE M/N#: FERRARI F990 - A8 LOAD CHART

2.77	4.51	6.22	7.99	9.94	11.86	13.81	15.58	17.83	19.81
9.1'	14.8'	20.4'	26.2'	32.6'	38.9'	45.3'	51.1'	58.5'	65.0'
									(METERS)
									(FEET)

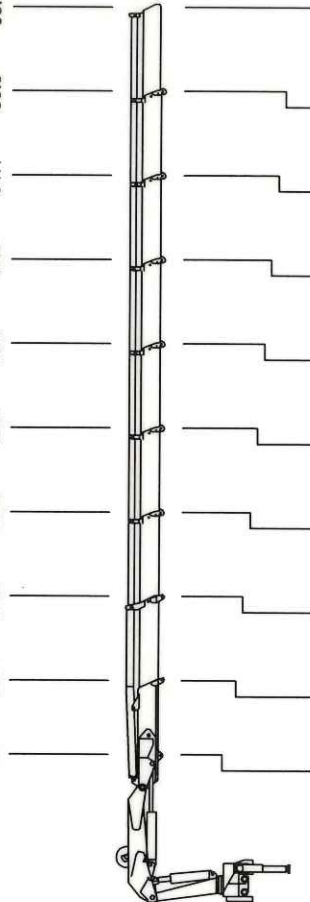
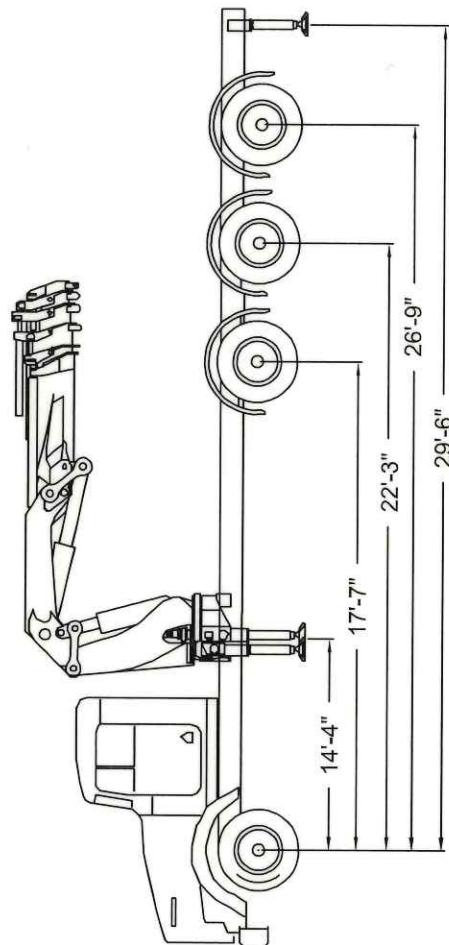
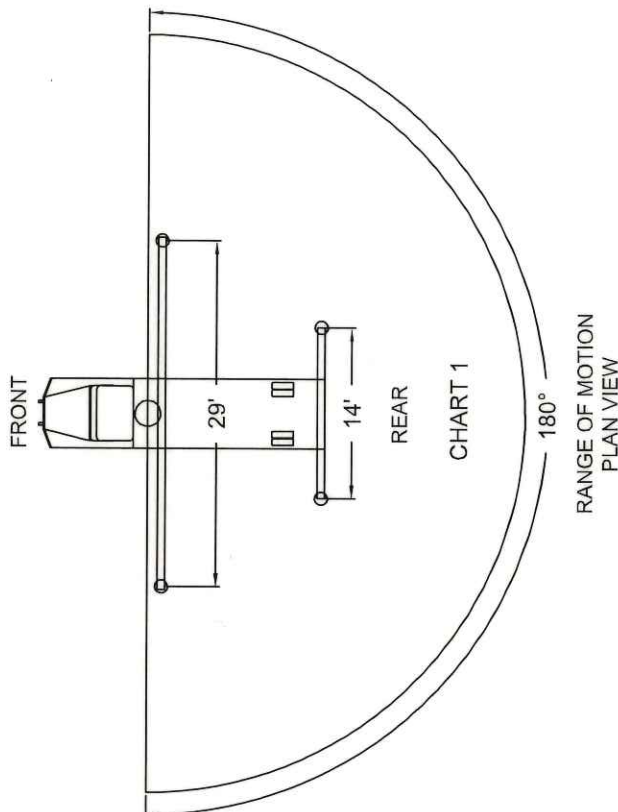


CHART 1 (Kg)	22,000	14,750	10,350	7,650	5,900	4,770	3,920	3,320	2,890	2,580
CHART 1 (lbs)	48,500	32,520	22,820	16,870	13,010	10,520	8,640	7,320	6,370	5,690

## OUTRIGGER SPAN CONFIGURATION

CRANE = FULL SPAN  
AUXILIARY = FULL SPAN



18/12/2017

**Kova Engineering B.C. Ltd.**



PROJECT: STABILITY TEST OF FERRARI ARTICULATING CRANE

CRANE: FERRARI M/N: F990 A8 S/N: 96058

TRUCK: FREIGHTLINER VIN: 5KKRALCK67PY55711

TEST DATE: DEC. 04, 2017

CLIENT: THARROW CRANE

ENGINEER: G.KOVACIK [CHECKED]MDH

SCALE: NTS

PAGE NO.: 1 OF 1

DWG. NO.: P6059-2

DRAWN: J.J. BROWN



- The charts listed are for use with the crane and truck combinations listed and are serial number specific. They are not to be used for any other cranes or trucks.
- These charts are to indicate safe stability configurations only. All other safe operations procedures from the crane manufacturer must be followed. The crane must only be operated by properly trained and qualified personnel. We are not liable for unsafe operations.
- The structural integrity of the crane mount support structure is not included in this engineering certificate.

CHART 1 IS BASED ON STRUCTURE

THIS CHART IS BASED ON SAE J765 OCT 1980  
& USES THE FOLLOWING CODES AS A GUIDE  
ASME B30.22-2000