Kobelco International (S) Co., Pte. Ltd

10, Tuas Avenue 5
Singapore 639336

Tel: (65) 6268 1308
Fax: (65) 6268 2490

Machine Assessment Report

Ref: KMISR20250901-08

Date: 1st September 2025
Machine model: 7055-3F
Serial No: GBA1-00029
Engine No: Hino
Hour Meter: 11,575
YOM: 2017
Location: Singapore

Crane Configuration: Standard crane with Auxiliary sheave
Conduct crane inspection finding for following above mention crane model 7055-3F, Serial No GBA1-00029. The present crane has an equipped with standard crane configuration main boom 24.0m with Aauxiliary sheaves.

Base Machine





Operator Cabin





Engine

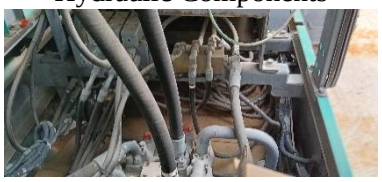




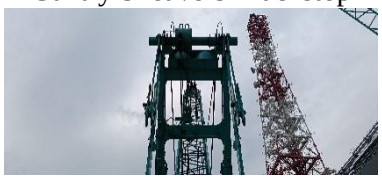
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Hydraulic Components


Gantry Sheave & Backstop


Winch Drum




Lower Frame





Crawler Track





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Conclusion & Comments
The base machine has been thoroughly inspected, cleaned, and maintained, presenting a clean and tidy appearance. Key observations and assessments are as follows:

1. Operator Controls
- The crane operator control levers exhibit smooth and responsive operation.
- Electrical switches and controls function reliably with no issues detected.

2. Safety Devices
- The moment limiter safety device is in excellent working condition, providing reliable protection.

3. Performance of Components
- The winches, including the front drum, rear drum, and boom operation, perform within the manufacturer's specifications.
- Slewing operations and propel travel are functioning normally.
- All drum wire ropes are properly wound and well-lubricated with grease to ensure durability and performance.

4. Electrical Systems
- The electrical cable reel harness is securely connected.
- All sensor detectors are properly installed and operational.

5. Lubrication and Mechanical Components
- Movable components, including the slewing bearing, foot pin, and spreader sheaves, have been lubricated to ensure smooth operation.
- The crawler tracks are tensioned correctly for optimal performance.

6. Engine and General Condition
- The engine is clean and tidy with no oil leaks observed.
- All major components are in good working order, contributing to the overall cleanliness and functionality of the machine.

7. Kobelco Crane Observation Satellite System (KCROSS)
- The machine is equipped with an optional Kcross and the communication system is activated.

8. Operational Performance
- Performance testing under operational conditions indicates the machine is functioning satisfactorily.
- No major damage or defects were identified during the inspection.

Liew Kim Foo

Reported by Liew Kim Foo
Kisco service engineer