KOBELCO INTERNATIONAL (S) CO., PTE. LTD
30, Pioneer Crescent #03-15,
Westpark BizCentral
628530
Tel: (65) 6268 1308
Fax: (65) 6268 2490 Singapore

Machine Assessment Report

Ref: KMISR20240207

Date: 07 Feb 2024
Machine model: CKE1100-1F
Serial No: GK04-03439
Engine No: Hino P11CUN13619
Hour Meter: 49,333
YOM:
Location: Singapore

Crane Configuration: Standard crane with Auxiliary sheave
Conduct crane inspection finding for following above mention crane model CKE1100-1F
Serial No: GK04-03439, the current machine working at J108 LTA project site Singapore.
Present crane has an equipped with standard crane configuration main boom 36.6m with auxiliary sheave, 32t main hook 4-part lines and Auxiliary ball hook.

Base machine



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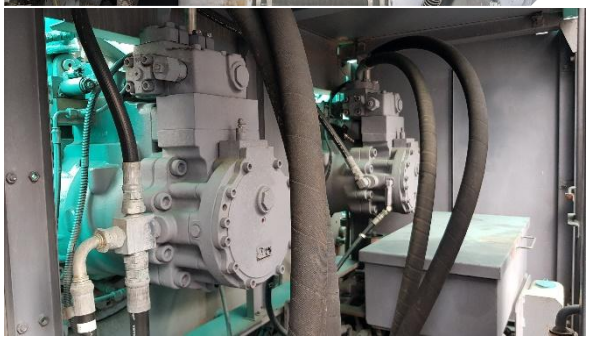
Operator cabin



Hydraulic components





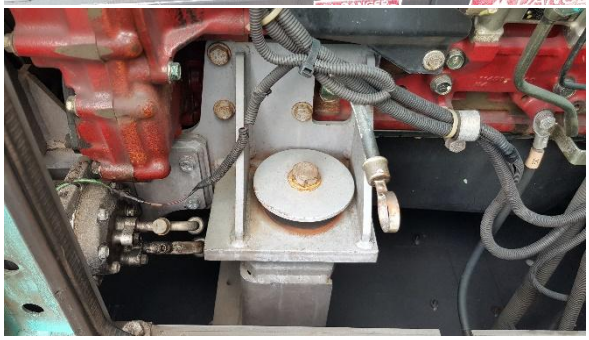
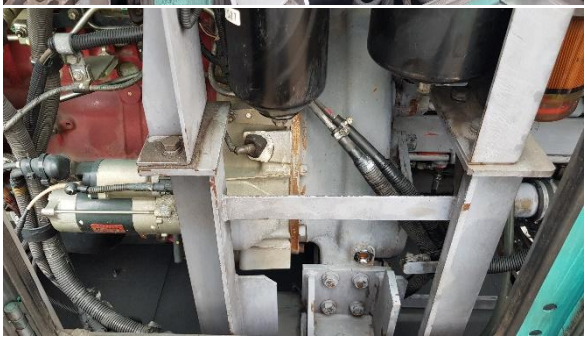




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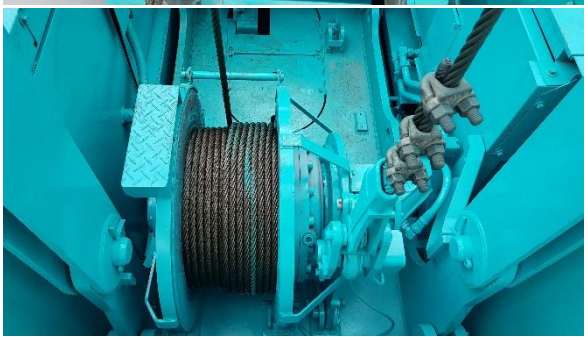
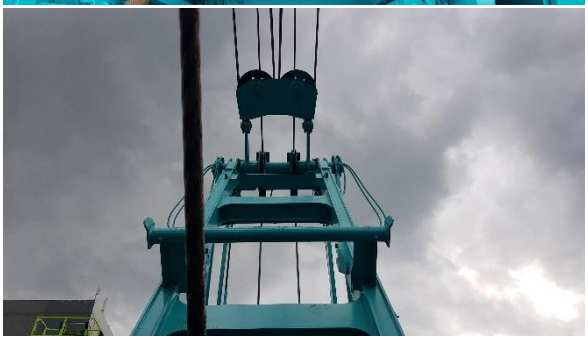
Engine



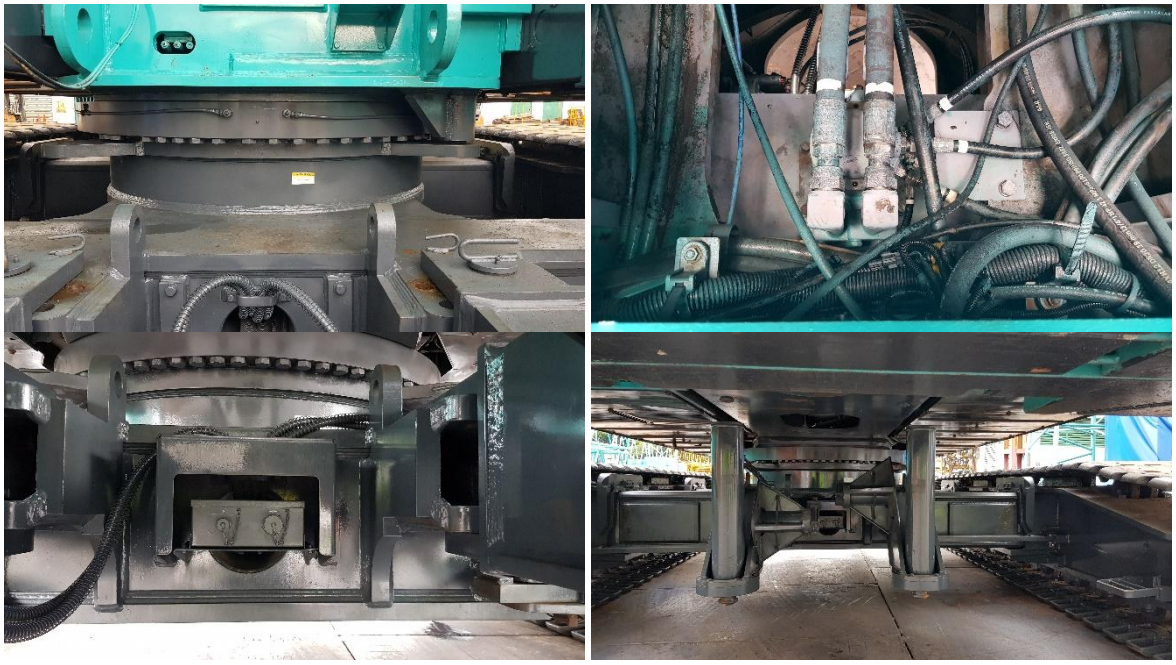
Drums, Gantry and Spreader



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Lower structure



Lower machine crawler track (L)



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Lower machine crawler track (R)



Conclusion & Comments

The overall base machine is clean and tidy, the existing crane operator control lever is smooth control, electrical switches control work well.
Safety device Moment limiter is well function, the performance of winches such as Front drum, Rear drum and Boom operation working normal as manufacture standard. Slewing operation and propel travel is work normal.
All drums wire rope is proper winding with lubricants grease. An electrical cable reel harness and sensor detectors is proper connected.
Lubricant is proper applied for slewing bearing and lower spreader sheaves
Crawler tracks both proper tension, Engine is clean and tidy no oil leakage found.
Machine performance good condition no major damage found during machine inspection.

Refurbish service Task.
Removed lower structure under carriage components to check limitation of track shoes, lower rollers, upper rollers, sprockets, and idlers.
Remedy replaced track shoes pins, buildup track shoes, rollers, sprocket, idler and track guild bar and as manufacture standard.
Replaced new slewing bearing after confirm rocking test the result clearance is out of standard tolerate.

Inspected by
Liew Kim Foo (KISCO Service Engineer)

Date: 07/02/2024