RAYAT AL-SHARQ راية الشرق
For Trading, General Contracting, General Transportation & Inspection Services LTD Company

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VISUAL & MAGENTIC PARTICLE INSPECTION REPORT

Certificate No: RAS-MU-26105505 **Customer:** JUNE Company **Location:** Iraq- Basra	**Date:** 11/10/2026 **Due Date:** 10/04/2027	
Name and Address of Owner **OM-QASER**	Description **MPI of selected accessible structural welds on the PVD installation rig, covering support-frame connections, hydraulic cylinder/pin-mounting brackets, an added stepped bracket, a rectangular support assembly, and side reinforcement/attachment-plate connections.**	
Manufacturer: DREAM ENGINEEPING **Year of Manufacture:** 2008 **Model:** DP 600 BM **Serial Number:** DP 10 06	**Area of Examination:** Accessible weld faces, weld toes, weld terminations, and adjacent parent metal within the following five identified areas: • **Area 01:** Support frame and pin-bracket connections. • **Area 02:** Hydraulic cylinder/pin-mounting bracket connections. • **Area 03:** Added stepped bracket and base-plate connections of Counterweight. • **Area 04:** Side reinforcement/attachment plate and intersecting corner welds.	

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Inspection Result:

Examination of the selected welded connections identified localized weld profile irregularities, variations in weld reinforcement, rough surface finish, weld spatter, and residual coating. Linear surface features and localized particle accumulations were also observed; their nature and relevance have not been established.

Inspection Method

1 - NDT (MPI Test) & Visual Test

NDT DETAILS

Equipment Type: YOKE S/N: A12.512	**Standard: ASTM E709**	**Method: WET**
Procedure: RAS-T-21090008	**Indicator: MAG INK**	

Recommendation of Certificate

This is to certify that the undersigned, a competent inspector, did attend the site for testing to examine and ascertain that this **structural welds** is safe for the intended use with the limits specified providing

Name & Qualifications of person making this report:	Name of person authenticating this report::
AHMED YAHYA	MUSTAFA SALMAN

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Visual Observations:

Area 01 – Support Frame & Pin-Bracket Connections

- Local variations in weld profile and surface finish are visible at several connections. Cleaning and controlled local finishing are recommended where necessary for clear examination.
- Localized spatter, rough deposits, and apparent surface cavities require cleaning and closer visual assessment.
- Remaining coating and examination residues should be removed where they affect interpretation.
- Any persistent linear feature or concentrated particle accumulation requires verification and recording by the examining inspector.

Area 02 – Hydraulic Cylinder / Pin-Mounting Brackets

- Uneven weld contours and local variations in reinforcement are visible along portions of the upper attachment welds.
- Grinding marks and rough bracket surfaces require further preparation where they affect examination clarity.
- Additional cleaning is recommended at recessed corners and weld ends.
- Examination coverage at the underside and side returns should be confirmed, with inaccessible portions recorded.

Area 03 – Added Stepped Bracket / Base Connection of Counterweight

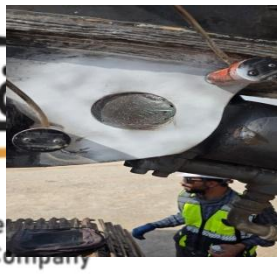
- The base weld shows an irregular profile with localized excess deposits requiring visual assessment after cleaning.
- Coating remnants, corrosion staining, and surface residues remain around parts of the bracket connection.
- A dark line is visible along portions of the bracket/base interface. Its nature requires verification after cleaning.
- The lower internal corner and side-return welds require particular attention during examination.
- One complete counterweight section is missing. In addition, a crack was identified in the pulley area of the counterweight during the visual inspection.

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Area 04 – Side Reinforcement / Attachment Plate

- Local unevenness and abrupt weld transitions are visible near the corner junction.
- Dark material or particle accumulation at the recessed corner and portions of the weld edge requires cleaning and verification.
- Local corrosion staining, coating deterioration, and rough deposits require suitable surface preparation.
- Examination coverage at the recessed junction and weld ends should be confirmed and any limitations recorded.
- Boom: Welding and modifications were observed at the boom lifting angle adjustment area. These modifications may affect the safe and proper operation of the boom throughout its full range of operating angles.

- crawler Track Assembly: Multiple deformations and cracks were observed in the crawler track assembly. Evidence of previous welding repairs to the cracked areas was also identified. Such repairs are considered inappropriate unless specifically approved by the manufacturer and carried out using an approved repair procedure. The affected areas remain susceptible to further cracking and structural failure.















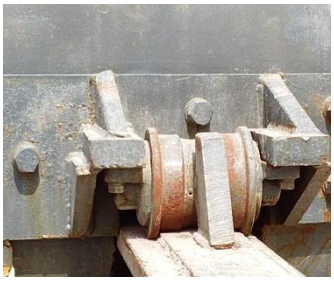




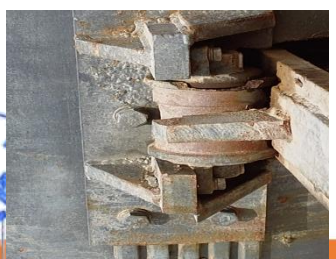








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