

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq




## MAJOR SURVEY CERTIFICATE FOR QUALIFICATION OF HARDNESS

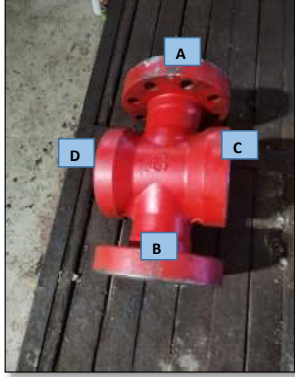
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

<b>CLIENT:</b>	Daqing Drilling Company Iraq	<b>REPORT No.:</b>	QC-DQ-09-24-0232/12
<b>LOCATION:</b>	DQ_Base	<b>SPECIFICATION:</b>	ASTM E10 & OEM
<b>DATE:</b>	1-Sep-2024	<b>Inspection Due Date</b>	As Per OEM Recommendation
<b>TYPE OF INSPECTION:</b>	Hardness - HB		
<b>DESCRIPTION:</b>	Hydraulic Gate Valve Flange 4 1/16" 5000 PSI	<b>MFG SERIAL NO.:</b>	130907
<b>MANUFACTURER:</b>	N/A	<b>SAP NO.:</b>	N/A


### INSPECTION DETAILS

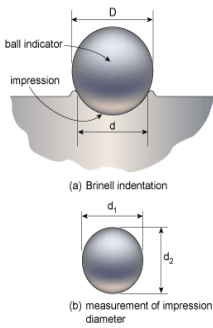
**TOP FLANGE**






**BOTTOM FLANGE**





(a) Brinell indentation  
(b) measurement of impression diameter



POINT NO:	Hardness At Position				Required Hardness (HB)
	1	2	3	4	
POINT - A	219	217	212	220	210 MINI - 234 MAXI
POINT - B	218	213	215	216	
POINT - C	213	222	225	228	
POINT - D	223	226	229	221	
TOP FLANGE	227	223	228	230	
BOTTOM FLANGE	216	217	232	229	

### INSPECTION EVALUATION


Hardness - The above Item has proper hardness and all inspected spots are matched the OEM values, At the time of inspection and found Acceptable ready to use.

### INSPECTION EQUIPMENT DETAILS

<b>Hardness Tester:</b>	DEMEQ/QH5	<b>SN:</b>	170421LH324A	<b>CAL DUE DATE</b>	24-Feb-2025
-------------------------	-----------	------------	--------------	---------------------	-------------

### PERSON DETAILS

### REVIEW BY

<b>INSPECTOR NAME:</b> Jaafar Bader		<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN	<b>CLIENT:</b>	
<b>QUALIFICATION:</b> ASNT LEVEL II MT,PT,UT,VI,		<b>INSPECTION SUPERVISOR:</b>	M. NAQASH	<b>SIGNATURE &amp; STAMP:</b>	
<b>SIGNATURE &amp; STAMP:</b>				<b>DATE:</b>	

Original - Client Files    Copy - Area Office    QC/FN/PT/077    Rev.00    DATED 31MAR2021



Tel: +9647810009138 / +9647834964657  
Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com