

**PT PLN (PERSERO)
SURALAYA STEAM POWER PLANT UNIT 1&2
REHABILITATION PROJECT**

GOVERNOR SETTING CURVES AFTER REHABILITATION

(For Steam Turbine)

For Information

Project Manager
of TAKASAGO MACHINERY WORKS

T. Matsuda

EMPLOYER'S DOCUMENT REVIEW AND STATUS									
LOG IN	DATE			REVIEW BY		REVISION STATUS		DISTRIBUTION	
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RELEASED BY :			DATE :		SUPPORT		I : INFORMATION ONLY ☐		PROJECT
PT PLN (PERSERO) SURALAYA STEAM POWER PLANT UNIT 1 - 4 (4 X 400 MW) LOT 2: TURBINE GENERATOR UNIT 1 & 2 REHABILITATION PROJECT CONTRACT NO. 121.PJ/041/DIR/2008									
PT PLN (PERSERO) JASA ENJINIRING									
CONSORTIUM :									
DRAWING TITLE :									
PLN DWG NO.									REV

CONTENTS		REMARKS	PURCHASER	ORDER NO.	DATE	STEAM TURBINE ENGINEERING & PRODUCTION INTEGRATION DEPARTMENT STEAM TURBINE ENGINEERING GROUP			
DESCRIPTION				ITEM NO.	REFERENCE	APPROVED			
FIGURE	3				PT PLN(PERSERO)	6513136	Dec. 24, 2010		<i>Y. Tarutani</i>
TOTAL	17					6000	T. Fujikawa	REVIEWED	<i>S. Kajima</i>
	20					CHECKED			
						DESIGNED	<i>V. Tjandra</i>		
						DRAWING No.			
						T4-A7677			
						REV No.			
						R-0			

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PLAN RECORD

REV.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
0	<i>Dec. 24, 2010</i>	First Issue	-	-	-

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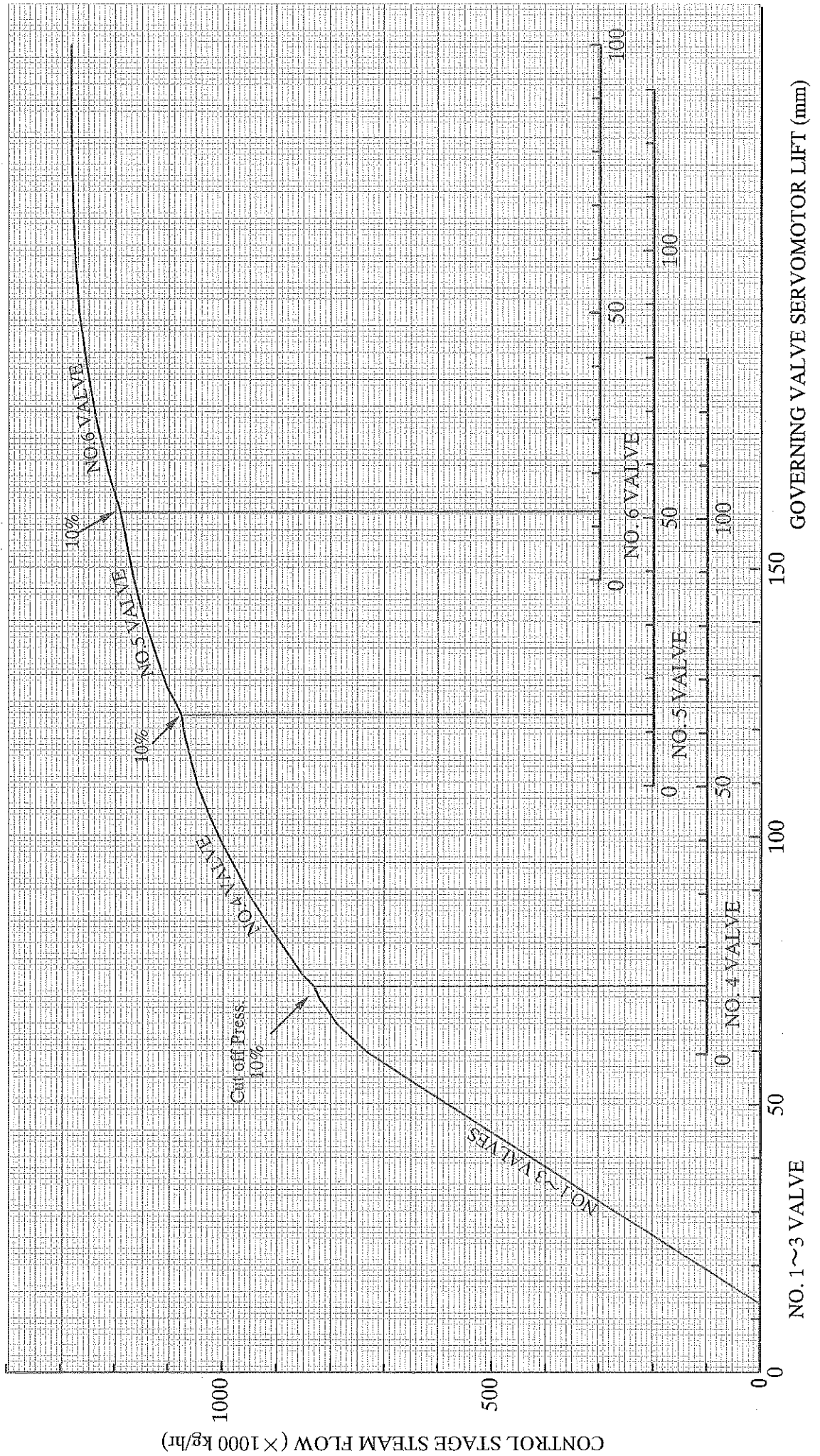
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* C O N T E N T S *

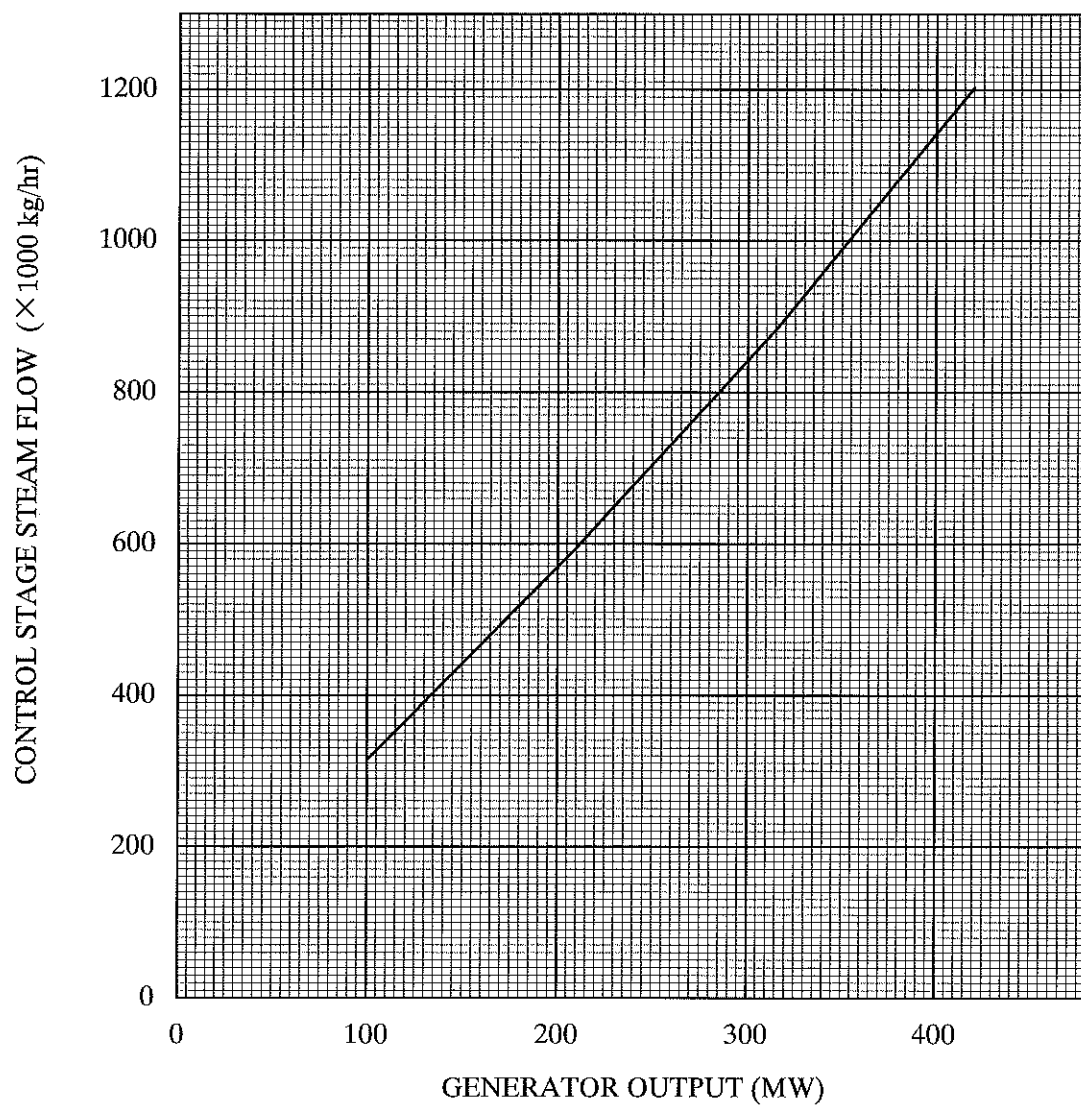
- Fig.1 VALVE SEQUENCE
- Fig.2 GENERATOR OUTPUT VS CONTROL STAGE STEAM FLOW
- Fig.3 CONTROL STAGE STEAM FLOW VS CONTROL STAGE EXIT PRESSURE
- Fig.4 GV CONTROL OIL PRESSURE VS GENERATOR OUTPUT
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- Fig.9 HYDRAULIC GOVERNOR SETTING CURVE
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- Fig.14 MSV E/H CONVERTER SETTING CURVE
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- Fig.17 OPC CHARACTERISTICS

Notes) Curves on Fig.1 to 4 were newly drawn for the design after rehabilitation.
Other curves are identical to the original curves in T4-G3407.

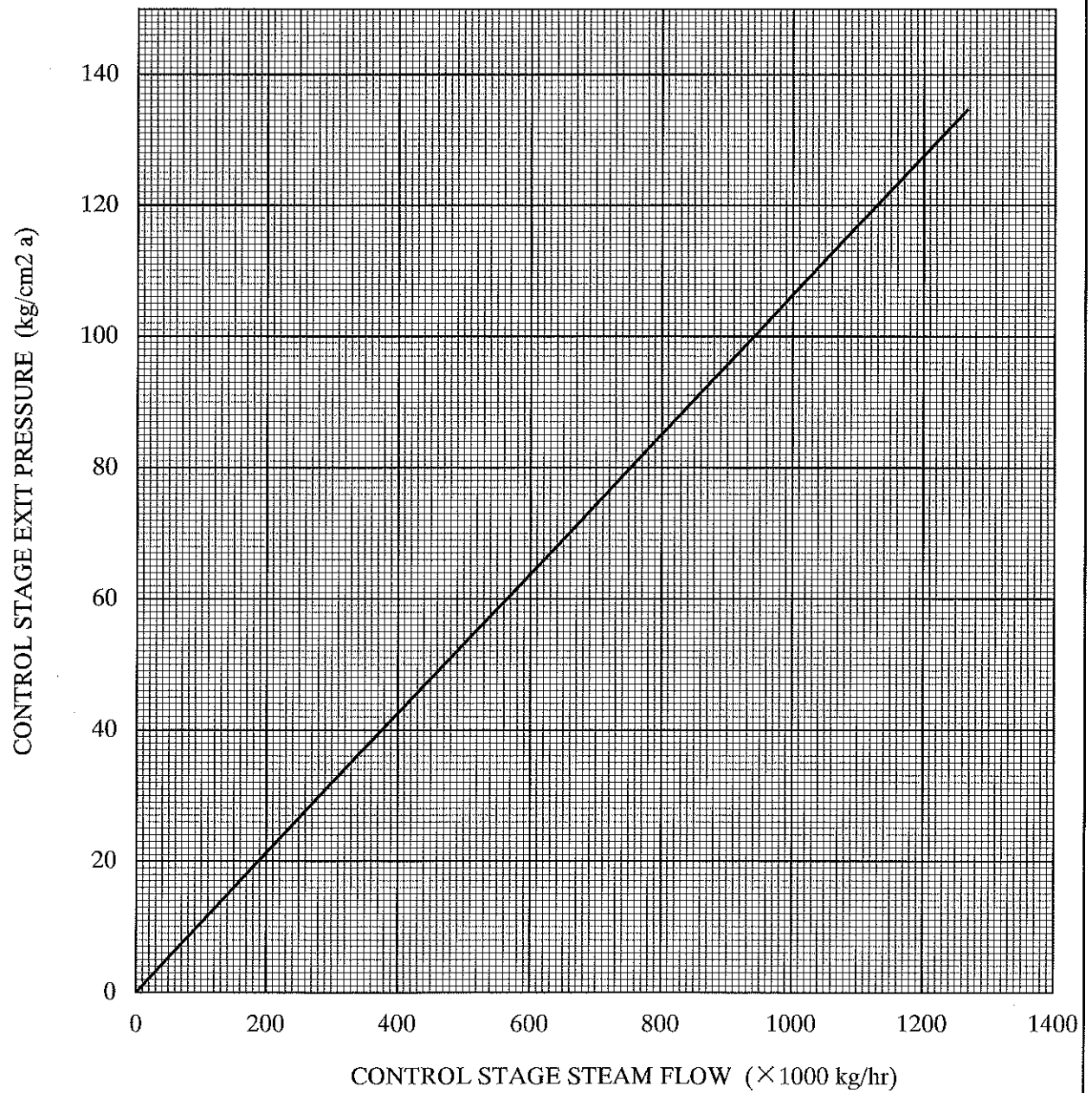
VALVE SEQUENCE
(GV SERVOMOTOR LIFT V.S. CONTROL STAGE STEAM FLOW)



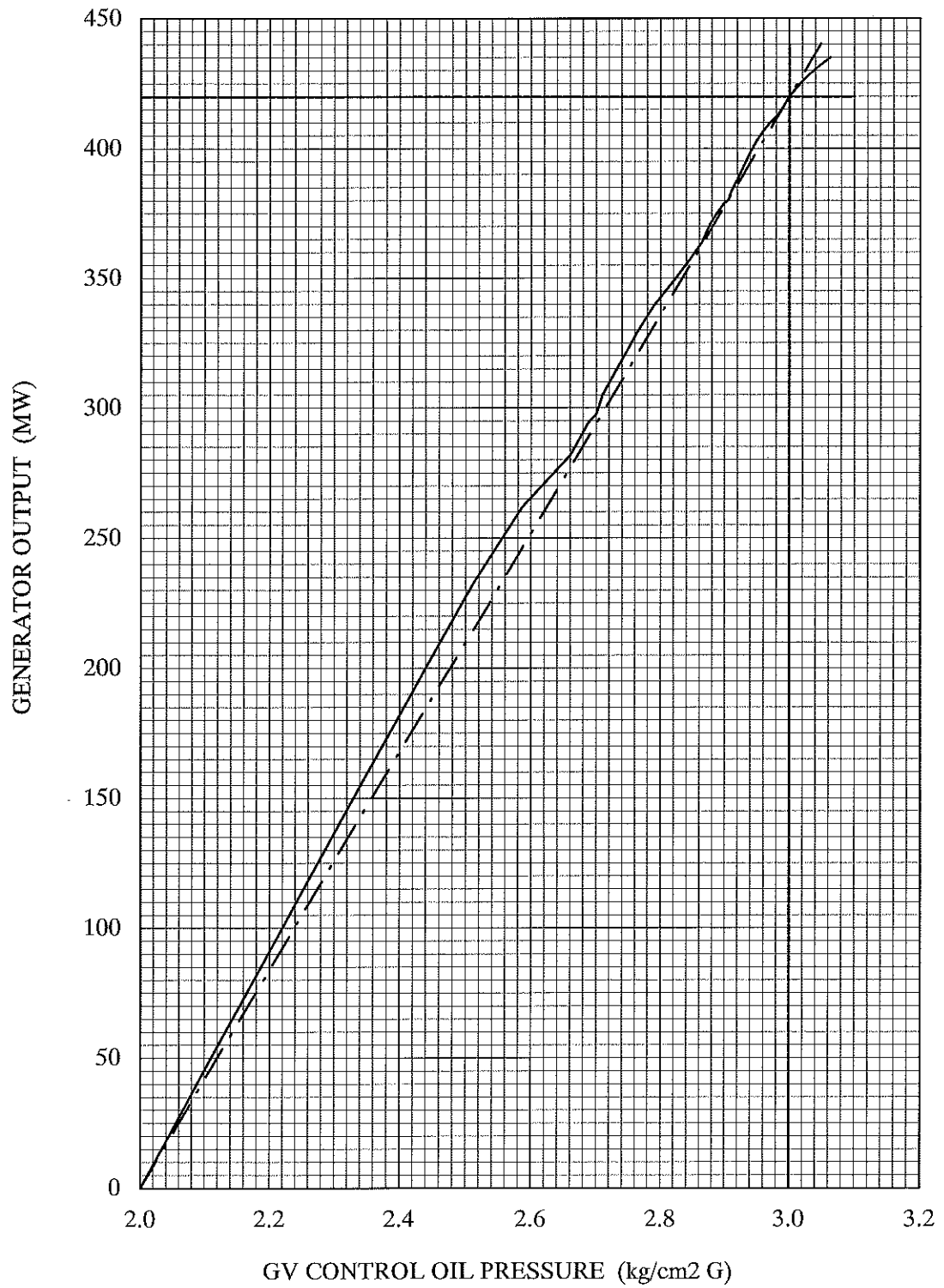
GENERATOR OUTPUT V.S. CONTROL STAGE STEAM FLOW



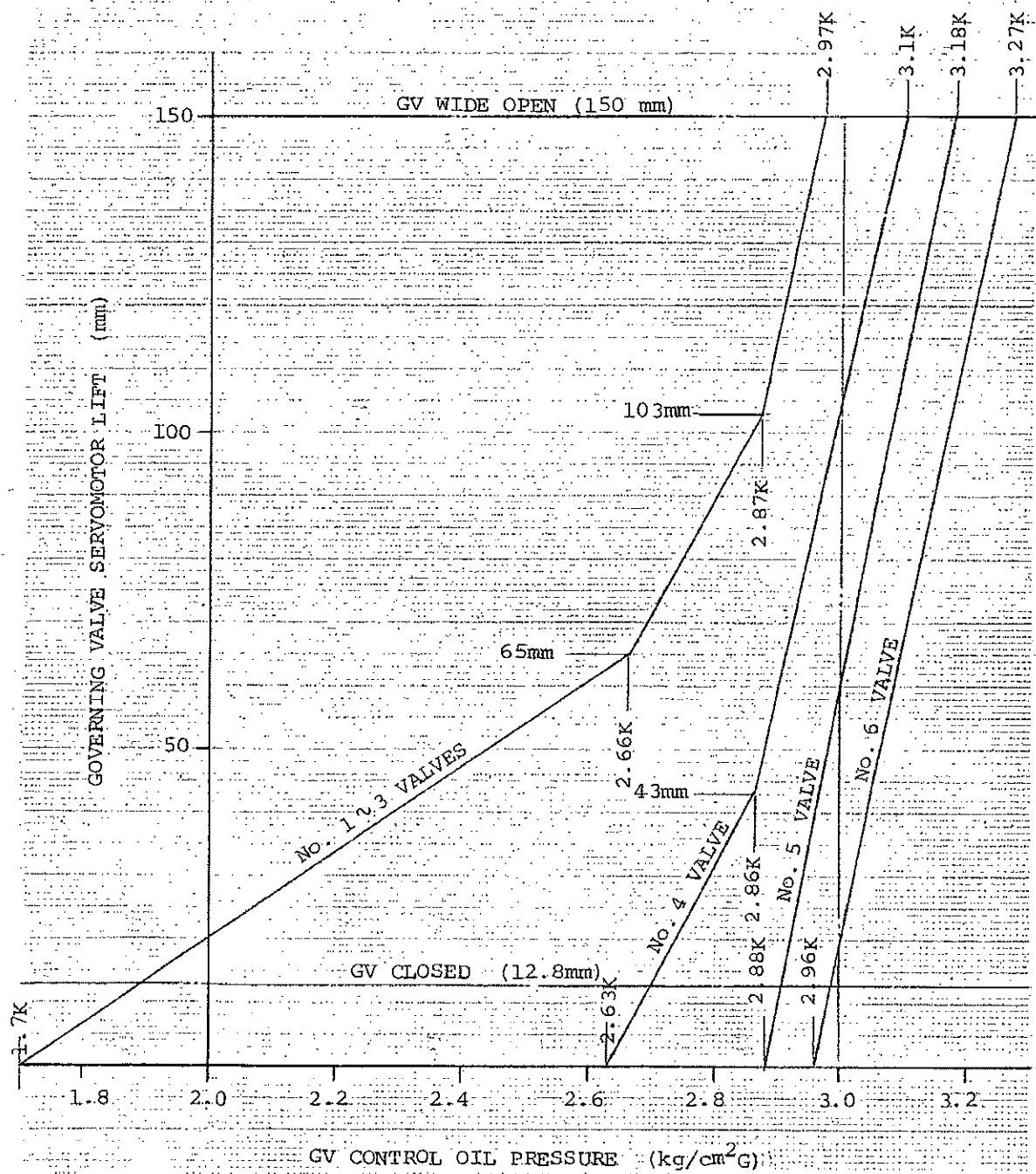
CONTROL STAGE STEAM FLOW V.S. CONTROL STAGE EXIT PRESSURE



GV CONTROL OIL PRESSURE V.S. GENERATOR OUTPUT



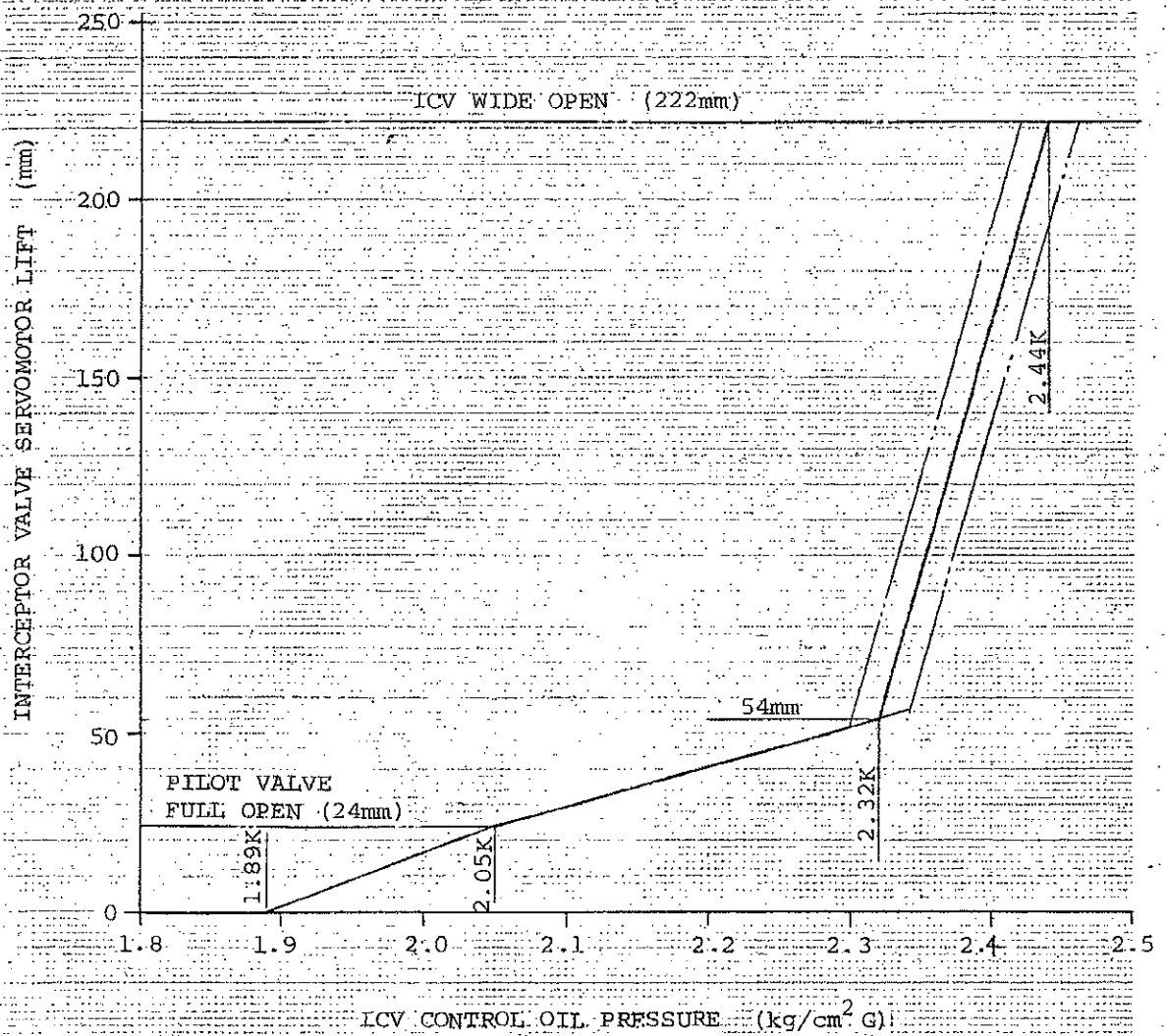
GOVERNING VALVE SERVOMOTOR SETTING CURVE



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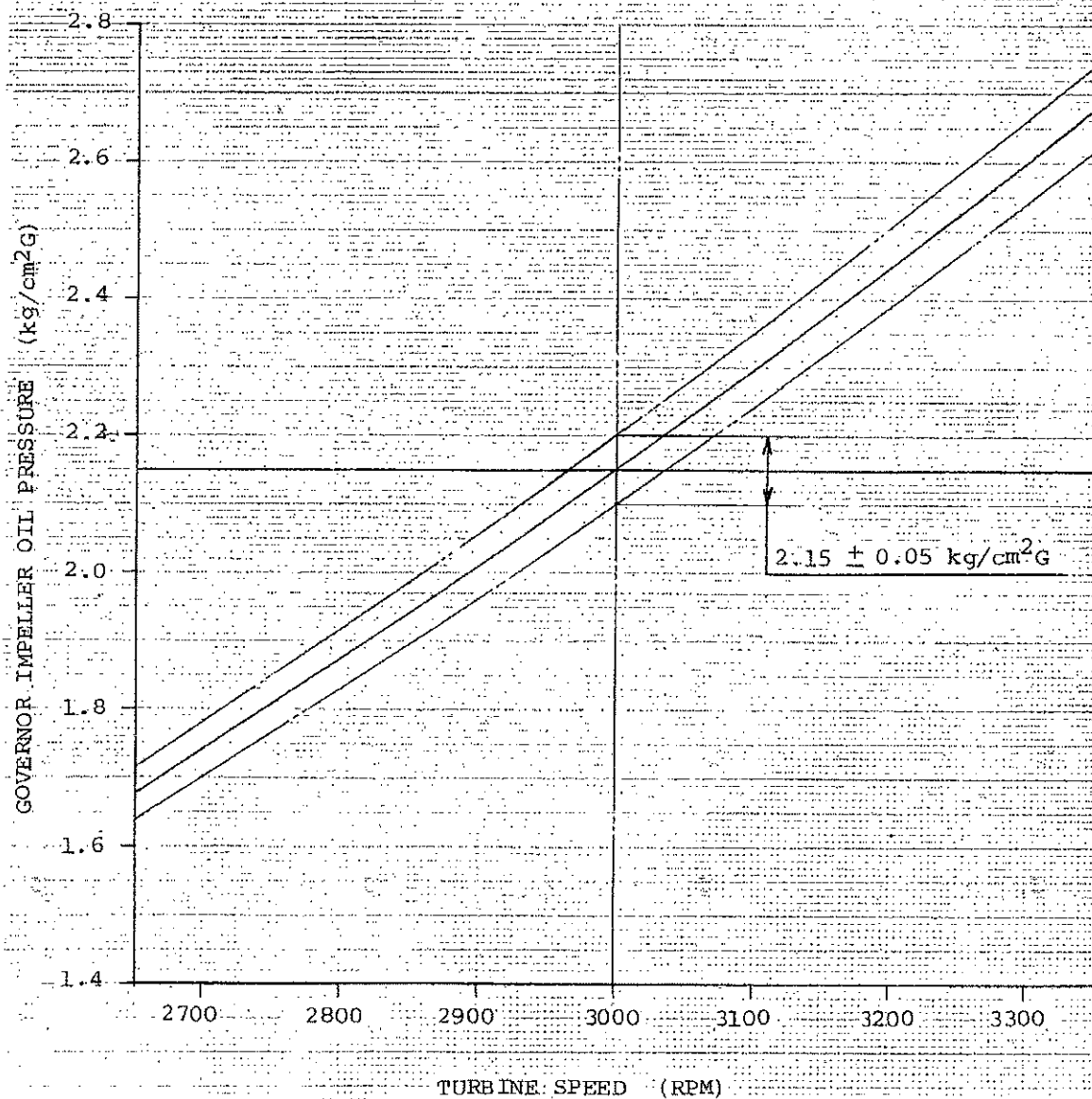
INTERCEPTOR VALVE SETTING CURVE



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GOVERNOR IMPELLER CHARACTERISTICS

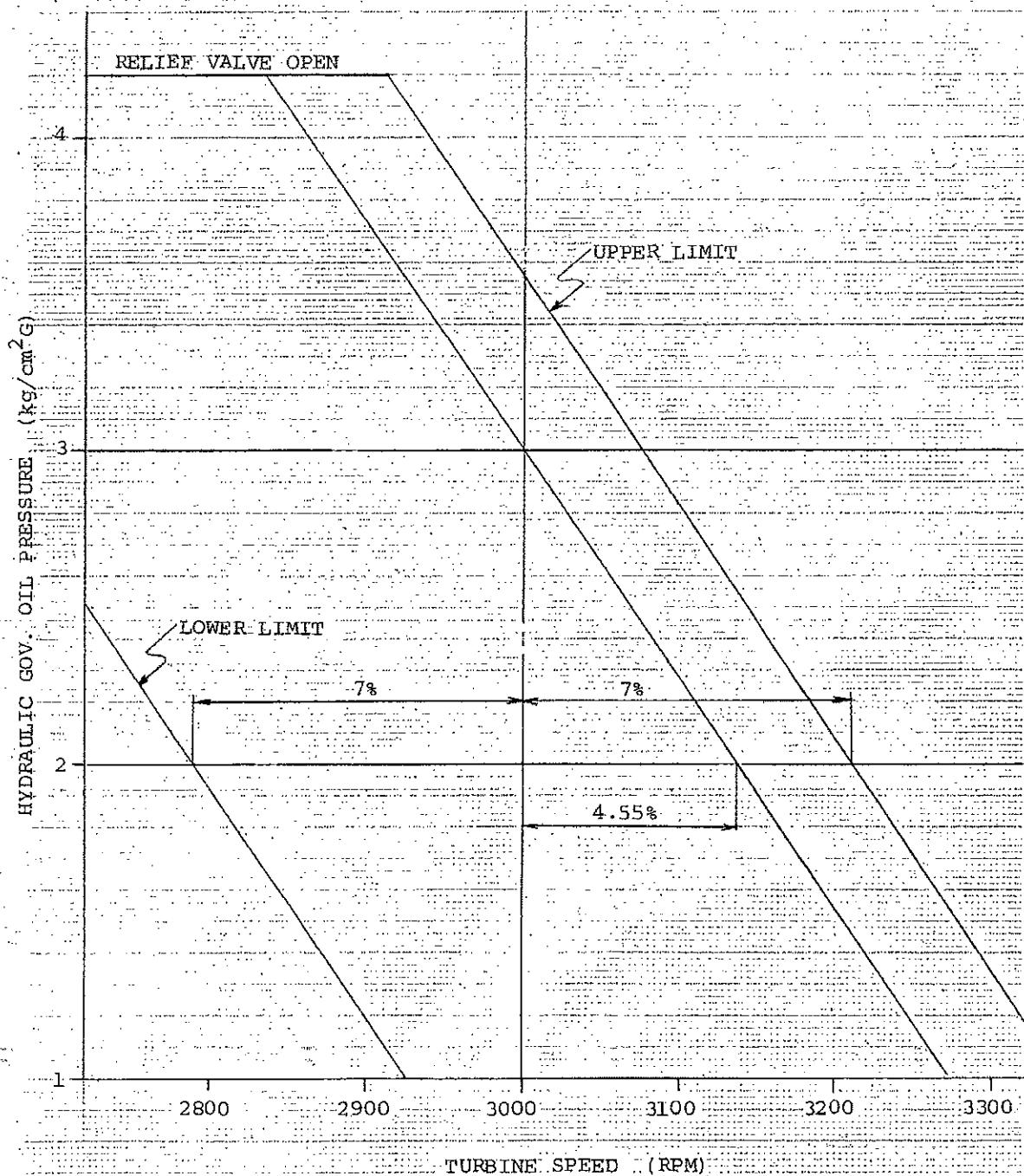


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HYDRAULIC GOVERNOR SETTING CURVE

(TURBINE SPEED V.S. HYDRAULIC GOVERNOR OIL PRESS.)

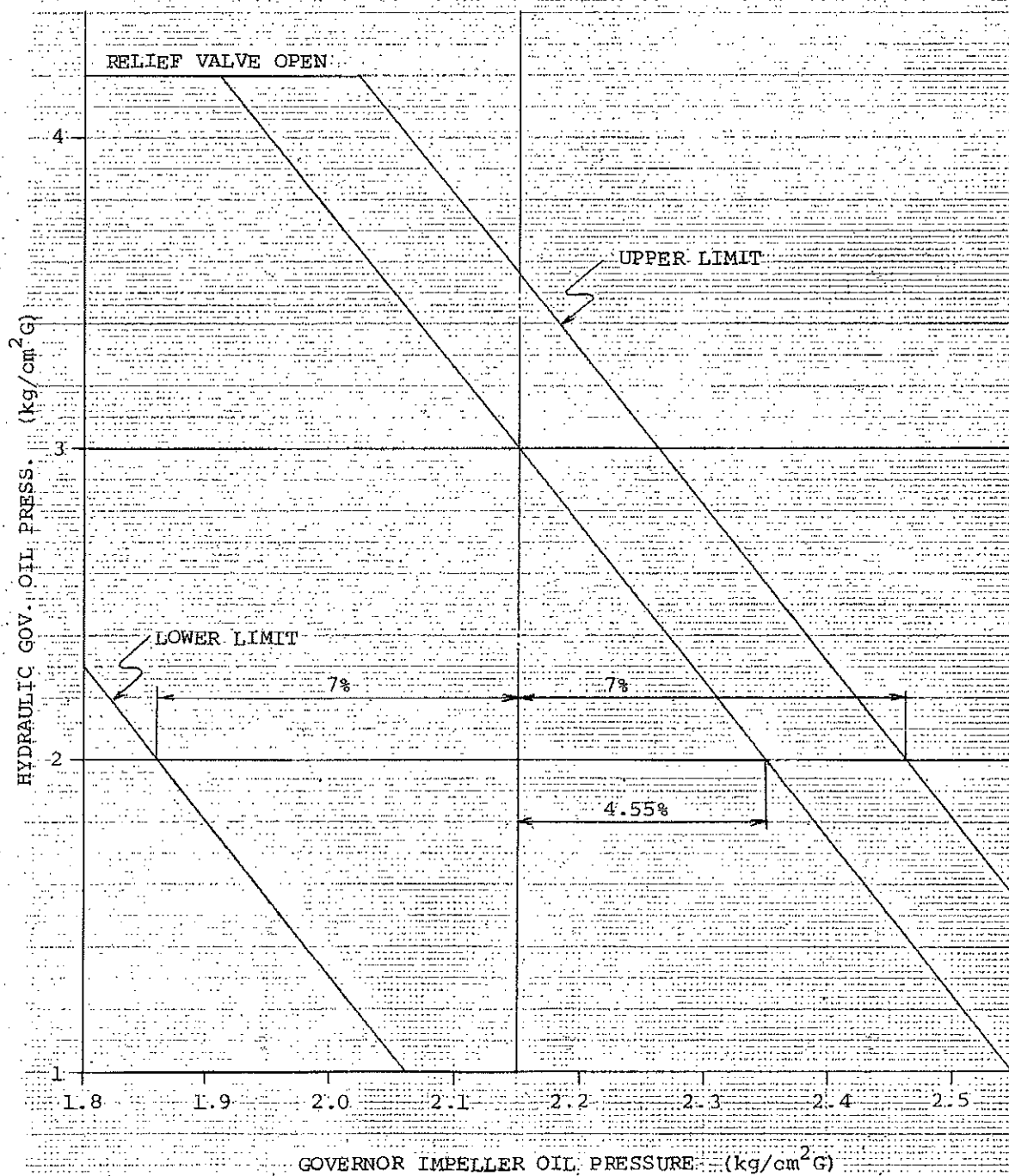


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HYDRAULIC GOVERNOR SETTING CURVE

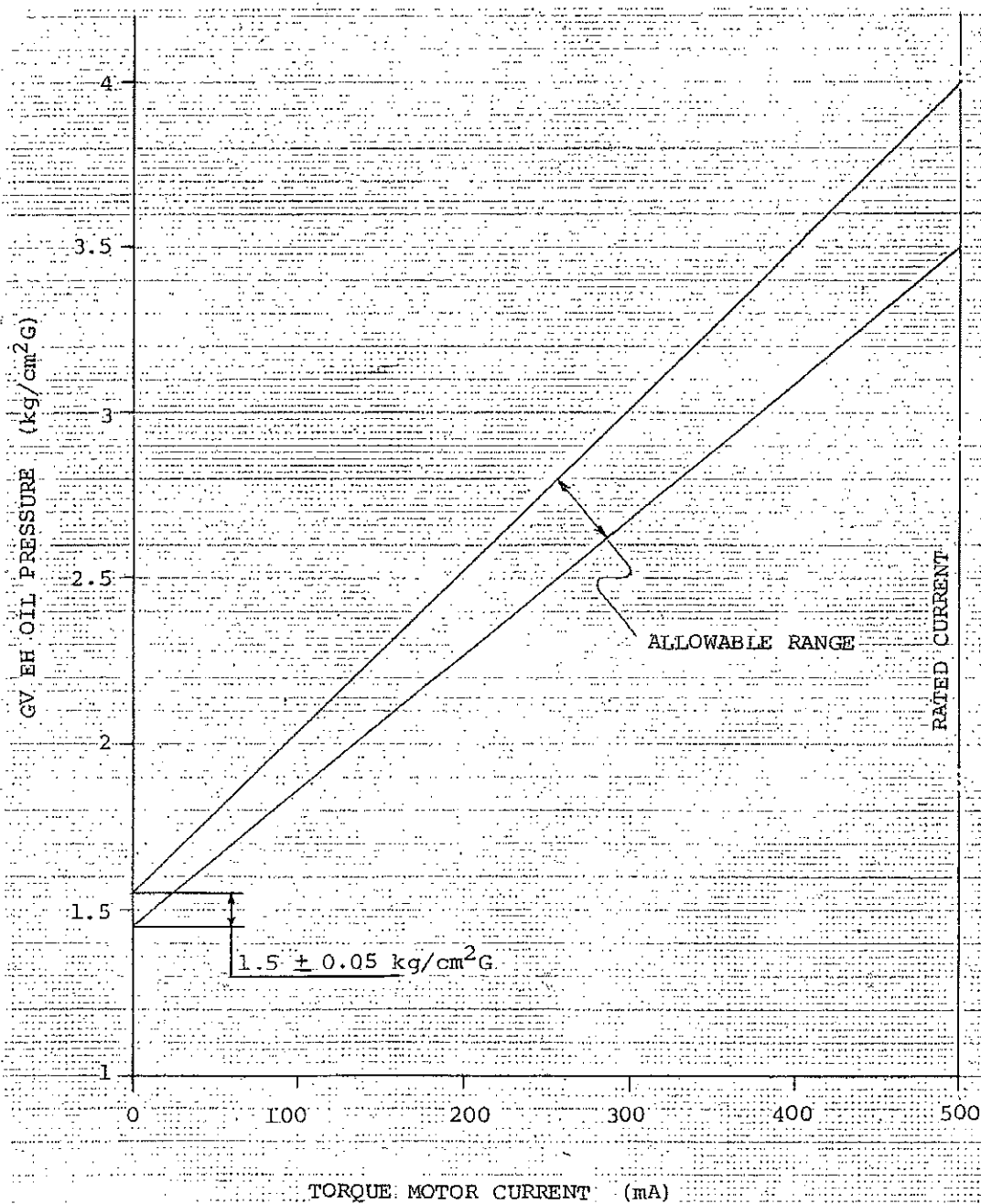
(GOV. IMPELLER OIL PRESS. V.S. HYDRAULIC GOV. OIL PRESS.)



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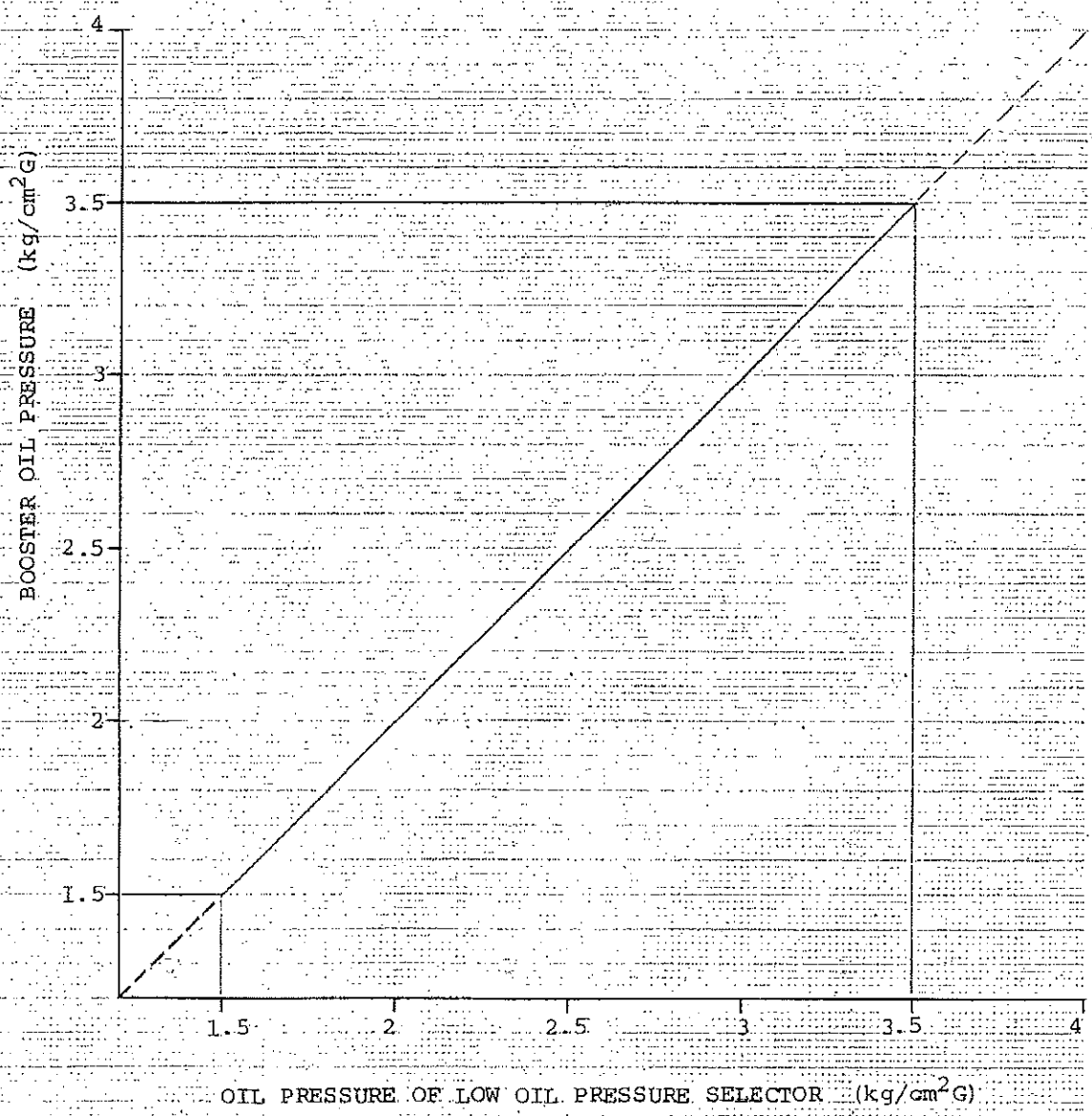
GOVERNING VALVE EH CONVERTER SETTING CURVE



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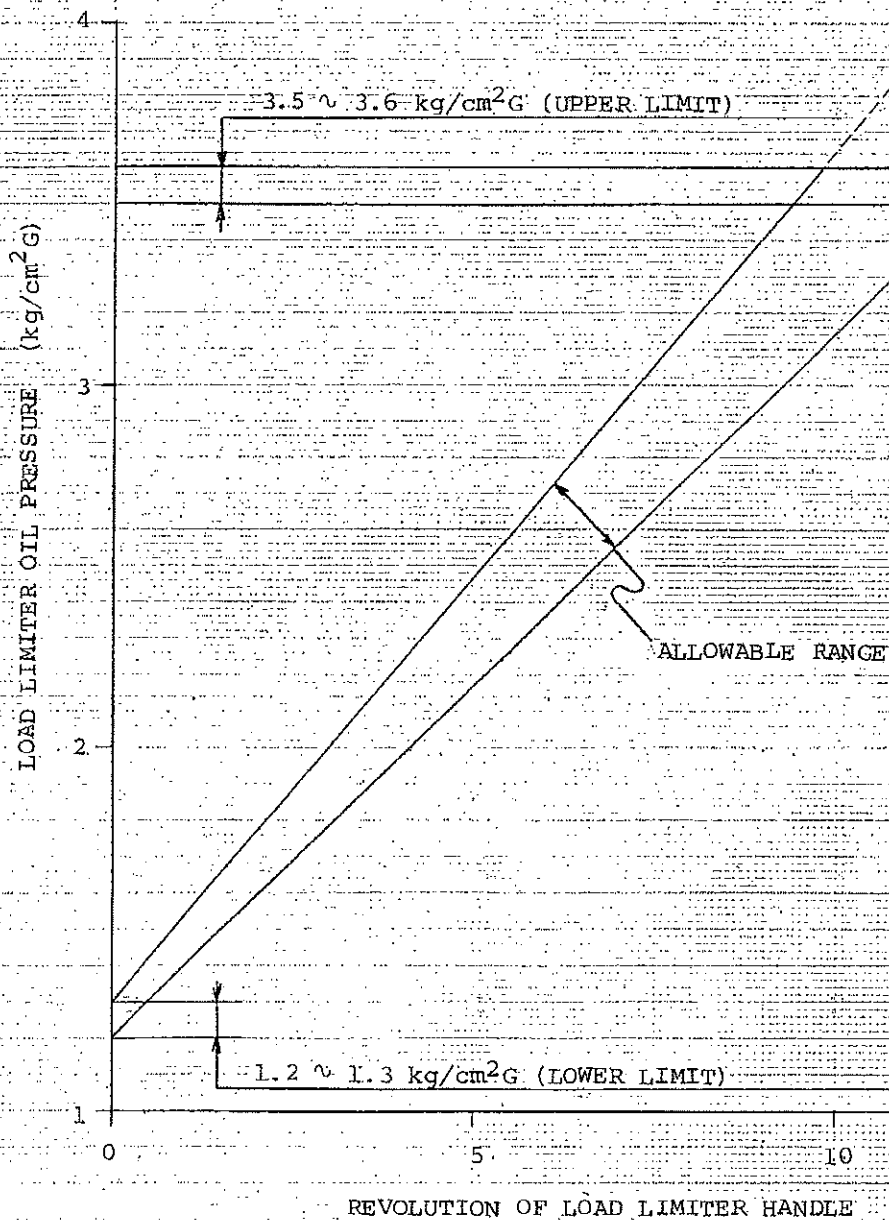
HYDRAULIC BOOSTER SETTING CURVE



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LOAD LIMITER SETTING CURVE

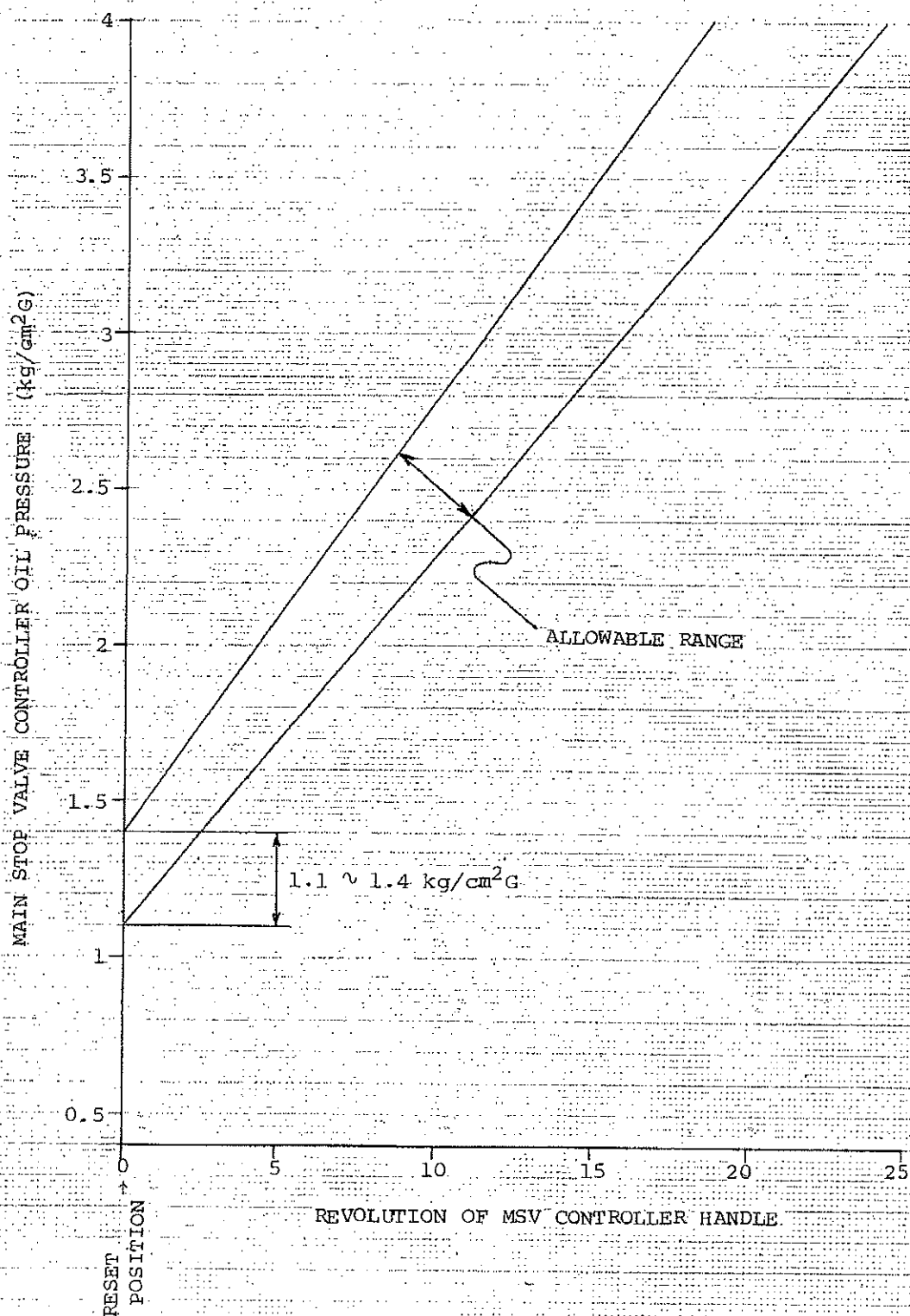


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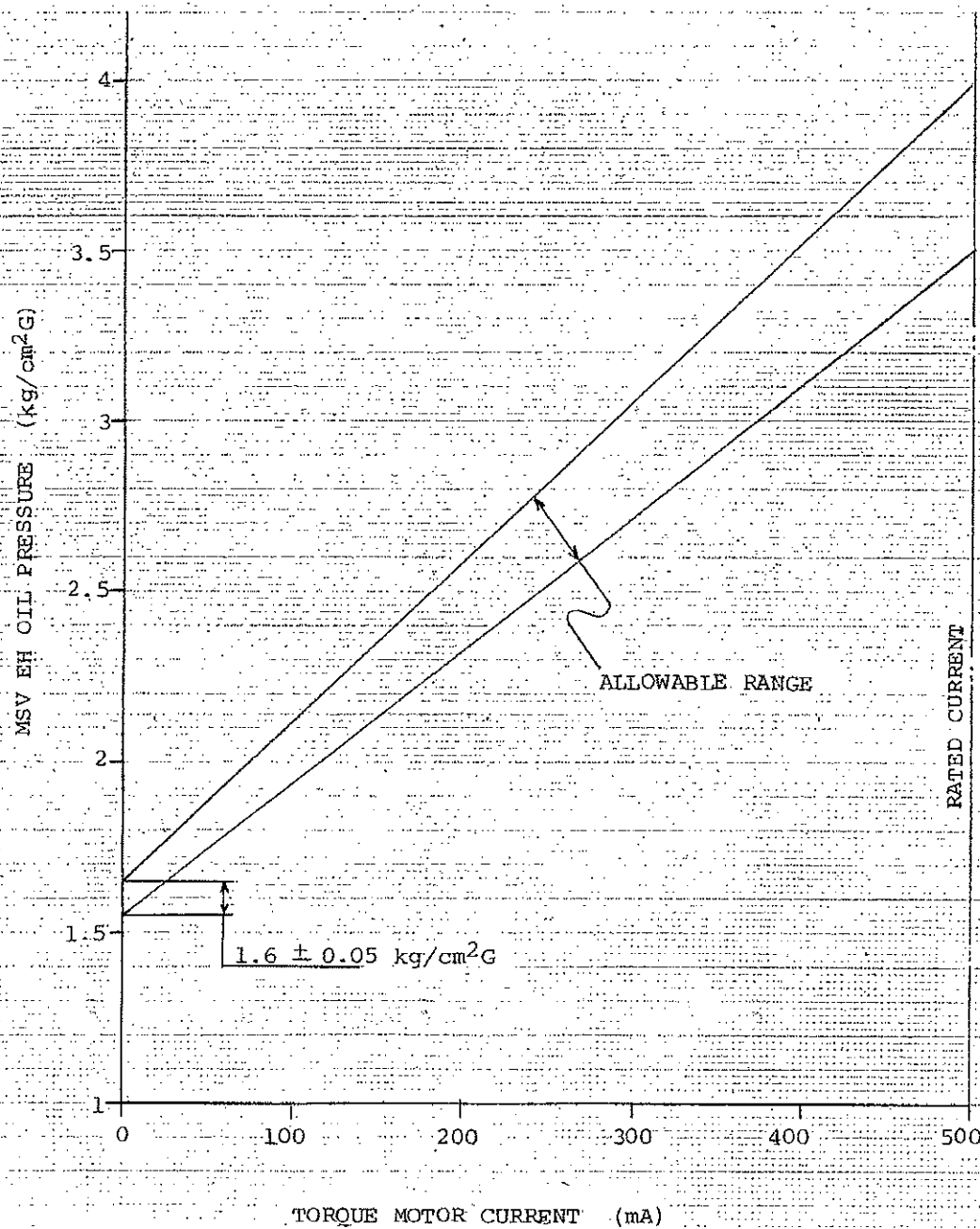
MAIN STOP VALVE CONTROLLER SETTING CURVE



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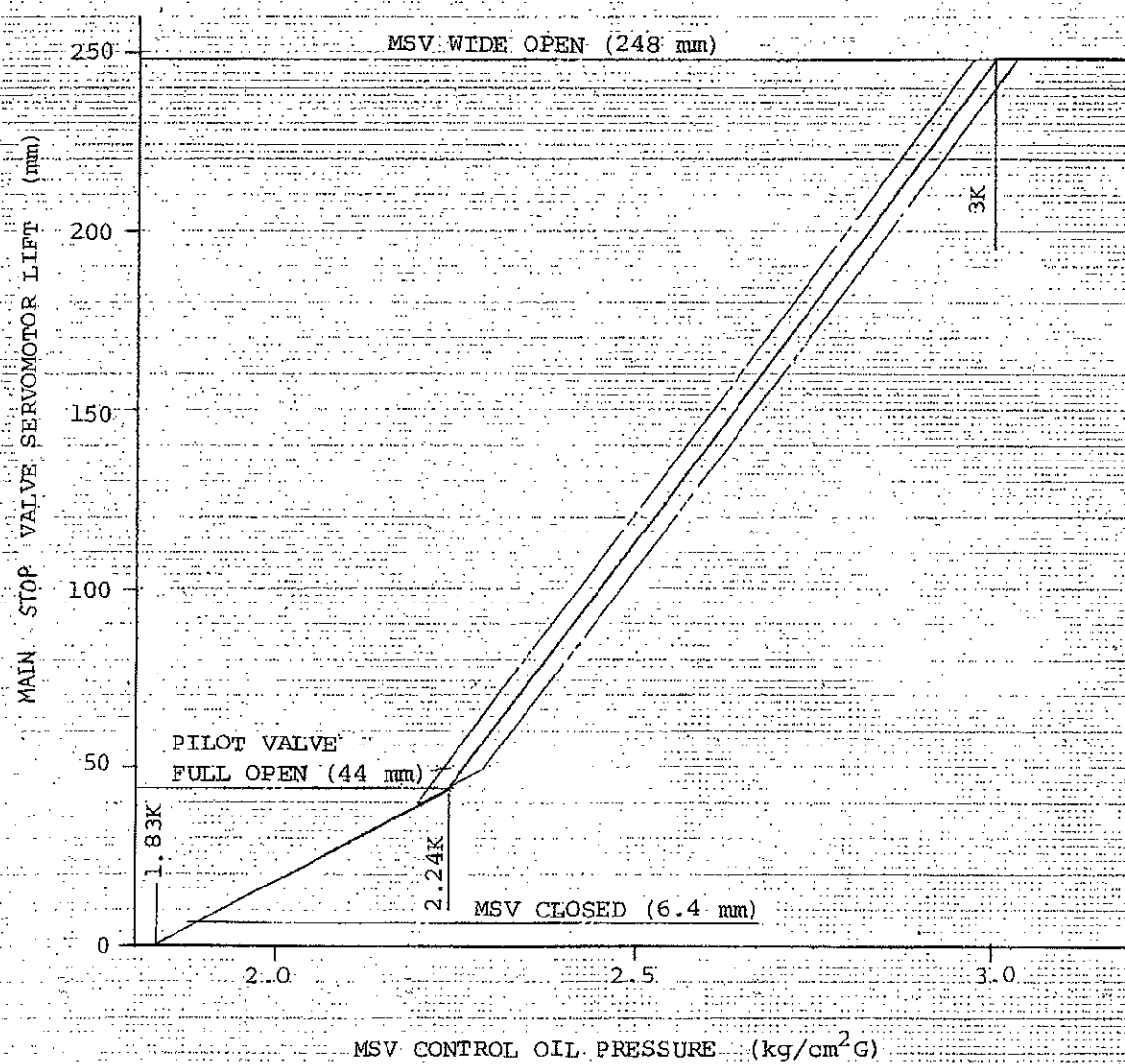
MAIN STOP VALVE EH CONVERTER SETTING CURVE



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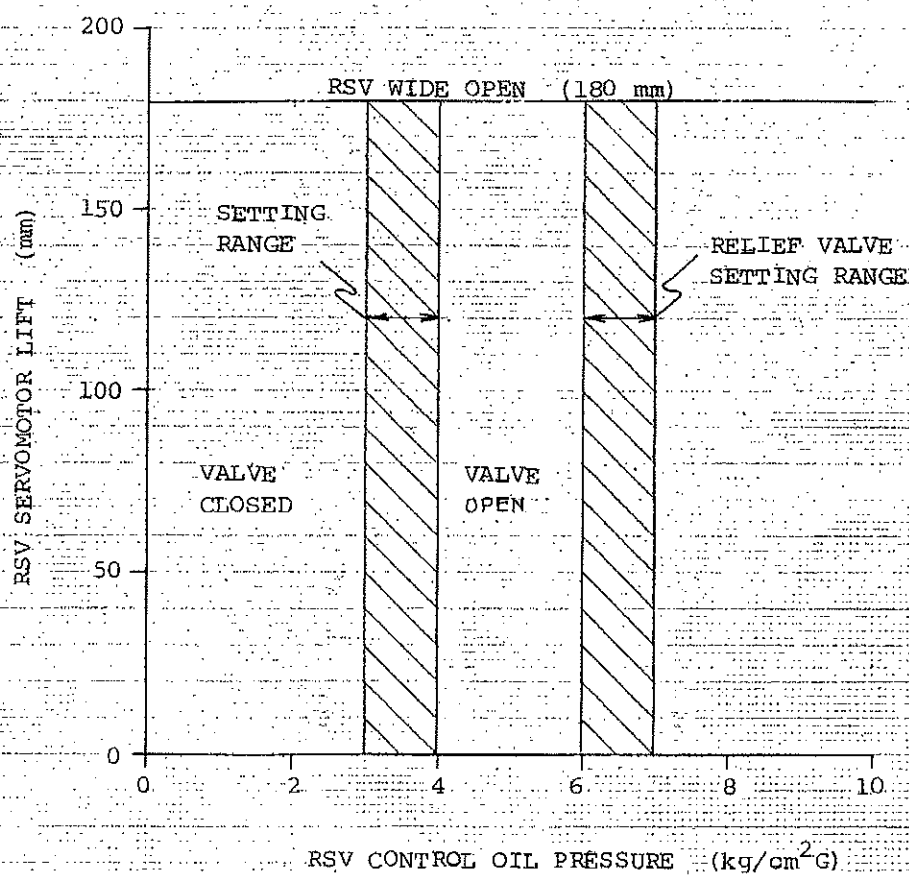
MAIN STOP VALVE SERVOMOTOR SETTING CURVE



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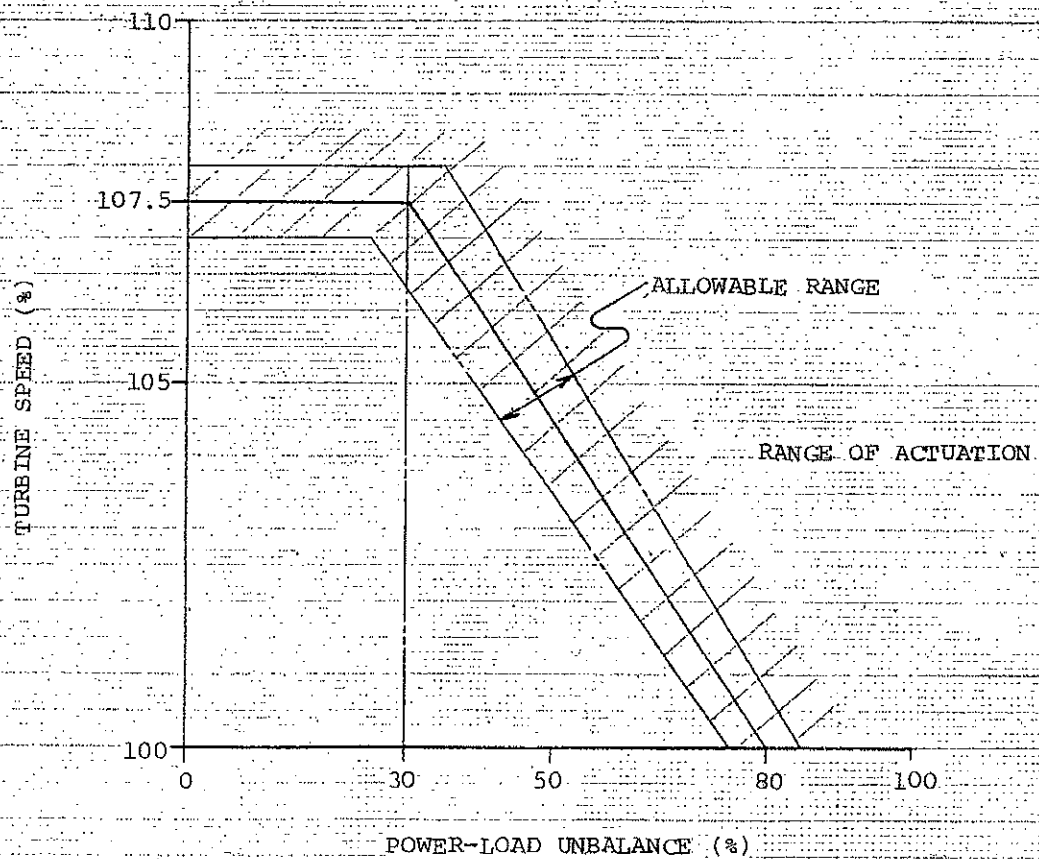
REHEAT STOP VALVE SERVOMOTOR SETTING CURVE



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技術資料 B

OPC CHARACTERISTICS



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