



CERTIFICATE OF TESTS
"CLOSED DIE DIVISION"

Form 20A Rev N/C

VRS *[Signature]*

MATERIAL: AISI 4130

TO:

DATE:

CRC WELLHEAD SUPPLY

AUG. 18, 1997

SPECIFICATIONS: API 6A TYPE 2

3771 74TH AVE

CANFORGE ORDER NO.

CRP 135 PSL 1-3

EDMONTON, ALBERTA T6B 2T7

5786-97-002

CUSTOMER P.O. No.

WS-9822

CONDITION: WATER QUENCH & TEMPER

Chemical Analysis

QTY.	PRODUCT DESCRIPTION	Heat No.	Heat Code	C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Al
220	2" 3000/5000# ESSO ADAPTOR	418163	KPE	.29	.50	.006	.009	.29	.98	.13	.17	.19	.025
									V				
									.001				

RECIPROCATING PUMP/DRIVE MECHANISM

Mechanical Tests

Heat No.	Yield Strength PSI	Tensile Strength PSI	Elongation %	Reduction of Area %	Charpy V Ft.-Lbs.	Temp. °F	Hardness Values
418163	65,000	89,500	28.5	70	45-61-54	-50°F	197-217HB

Non-Destructive Tests

UT LPI MPI

REMARKS: WATER QUENCHED @ 1650°F 4 HOURS
TEMPERED @ 1225°F 7 HOURS
WATER TEMP START 68°F FINISH 89°F

CRC WELLHEAD SUPPLY LTD.
O.A. APPROVAL

DATE: Aug 29/97

SIGNED: *[Signature]*

TON GROVES *[Signature]*

USED FOR: P.O. #

SIGNATURE OF AUTHORIZED QUALITY CONTROL REPRESENTATIVE

ALL RELEVANT DOCUMENTS ARE AVAILABLE UPON CUSTOMER REQUEST. SHIPMENTS IN COMPLIANCE WITH ALL PURCHASE ORDER REQUIREMENTS. WE HEREBY CERTIFY THAT THE ABOVE RESULTS WERE OBTAINED BY TESTING IN ACCORDANCE WITH THE SPECIFICATIONS.

CANADA FORGINGS INC.

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