



ENGINE DYNAMOMETER TEST REC RD

25 000 HRS

Mike Watson
Bob Brinkata

ENGINE MODEL 3306
 ENGINE SERIAL NO: 132 - up. 2870
 ENGINE ARRANGEMENT _____

MACHINE MODEL D25C
 MACHINE SERIAL NO: 9YC

DATE: 20-01-94
 ARCHIVE NO: 201790
 CUSTOMER NAME: HIGHVELD STEEL
 OT NUMBER: 17416

TEST POINTS	Engine Spec.		DATA	Time		TEST TIME SCHEDULE					TOTAL RUN TIME	CUSTOMER RATING	
	Min.	Max.		On	Off	Reel	High Idle	1/2 Load	3/4 Load	Full Load			Balance Point
ALTITUDE	0	2250	M	°C	20							1 1/2	HP <u>260</u> KW <u>201</u>
AMBIENT TEMPERATURE	740	760		rpm									
ENGINE - LOW IDLE	2390	2510		rpm									
ENGINE FULL LOAD	2190	2210		rpm									
GOVERNOR RACK SETTING				mm	260								
DEVELOPED POWER	195	204		KW									
SYSTEM OIL PRESSURE	275	600		kpa @ full load									
OIL PRESS. BEFORE FILTER				K.P.A.									
SYSTEM OIL TEMPERATURE		110		°C									
ENGINE FUEL PRESSURE	172	345		K.P.A.									
BOOST PRESSURE L/H				K.P.A.									
BOOST PRESSURE R/H	88	120		K.P.A.									
BOOST TEMPERATURE L/H				°C									
BOOST TEMPERATURE R/H	107	118		°C									
FILTERS				Clean									
EXHAUST TEMPERATURE L/H		590		°C									
EXHAUST TEMPERATURE R/H				°C									
ENGINE COOLANT TEMP.	85	99		°C									
FUEL CONSUMPTION	53	59		G/KWH									
Lubricating Oil - Viscosity Type				Lt									
				SAE 30									
				CO									

LOADS
 Full Load 196
 3/4 Load 150
 1/2 Load 100
 1/4 Load 50

SUPERVISOR:
 SIGNATURE:

OBSERVER:
 SIGNATURE: _____

DYNAMOMETER
 TECHNICIAN:
 SIGNATURE: MC Brinkata

ENGINE DYNAMOMETER TEST REC RD

Mika Watson
Bob Brinkala

ENGINE MODEL: 3306 MACHINE MODEL: D25c DATE: 20-01-94
 ENGINE SERIAL NO: 132-UP-2890 MACHINE SERIAL NO: 95C ARCHIVE NO: 50 1790
 ENGINE ARRANGEMENT: _____ CUSTOMER NAME: HIGHVELD STEEL
 OT NUMBER: 7416

TEST POINTS	Engine Spec.		DATA	Time	TEST TIME SCHEDULE					TOTAL RUN TIME	CUSTOMER RATING		
	Min.	Max.			High Idle	1/2 Load	3/4 Load	Full Load	Balance Point			Low Idle	
ALTITUDE	0	2250	M	Reel								HP KW	260 201
AMBIENT TEMPERATURE			°C	20							1 1/2		
ENGINE - LOW IDLE	740	760	rpm		22	22	22	23	24	23			
ENGINE - HIGH IDLE	2390	2510	rpm										
ENGINE FULL LOAD	2190	2210	rpm		2495	2451	2386	2300					
GOVERNOR RACK SETTING			mm	260									
DEVELOPED POWER	195	207	KW		50	100	150	194					
SYSTEM OIL PRESSURE	275	600	Kpa @ full load		660	520	480	420	380				
OIL PRESS. BEFORE FILTER			K.P.A.		660	530	440	470	390				
SYSTEM OIL TEMPERATURE	110		°C		44	68	78	94	94				
ENGINE FUEL PRESSURE	172	345	K.P.A.		400	390	380	370	360				
BOOST PRESSURE LH			K.P.A.		0	5	25	52	78				
BOOST PRESSURE RH	80	120	K.P.A.		14	62	66	87	11				
BOOST TEMPERATURE LH			°C										
BOOST TEMPERATURE RH			°C										
ENGINE COOLANT TEMP	94		°C		294	380	468	532	604				
FUEL CONSUMPTION	53	59	G/HR/HP		48	65	70	72	78				
Lubricating Oil - Viscosity Type			SAE 30 CO						56				

LOADS

Full Load 196
 3/4 Load 150
 1/2 Load 100
 Low Idle 50

SUPERVISOR SIGNATURE: _____

OBSERVER SIGNATURE: _____

DYNAMOMETER TECHNICIAN SIGNATURE: _____

M. C. Brinkala
 20 January 1994

