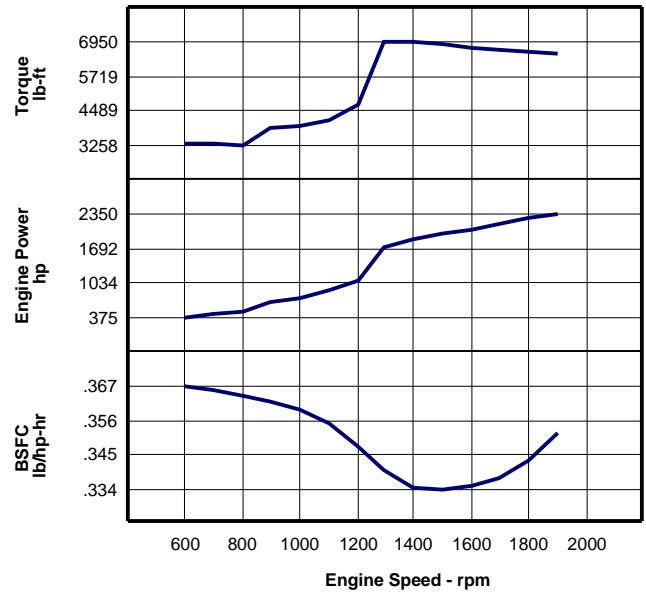
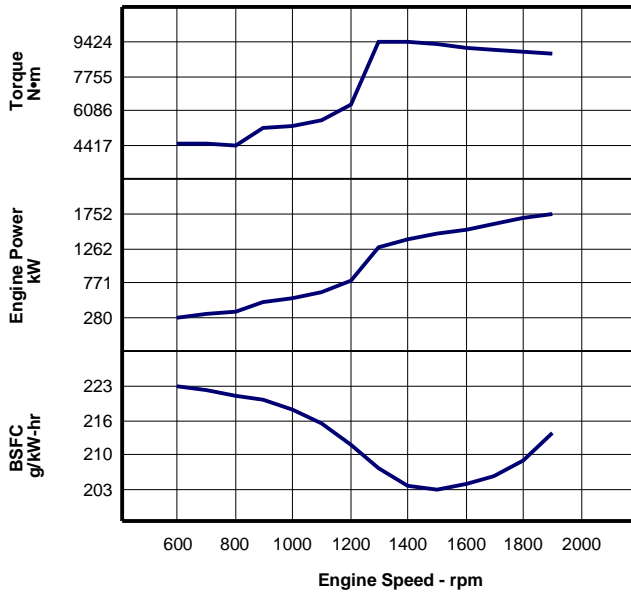


Oil & Gas Performance
3512C DITA
1752 kW(2350 hp)/1900 RPM
WELL SER RATING - DM8317-00



EPA T2 CERTIFIED - Aftercooler Temperature 50°C (122°F)



Engine Speed rpm	Engine Power kW	Torque N-m	Engine BMEP kPa	BSFC g/kW-hr	Fuel Rate L/hr
1900	1752.4	8807	1890	214.0	446.9
1800	1683.0	8929	1916	208.6	418.5
1700	1612.0	9055	1943	205.4	394.7
1600	1538.0	9179	1970	203.7	373.5
1500	1461.0	9301	1996	202.9	353.3
1400	1381.6	9424	2022	203.4	335.1
1300	1280.0	9402	2018	206.8	315.5
1200	797.0	6342	1361	211.5	200.9
1100	650.0	5643	1211	216.0	167.3
1000	563.0	5376	1154	218.7	146.8
900	492.0	5220	1120	220.3	129.2
800	370.0	4417	948	221.4	97.7
700	326.0	4447	954	222.4	86.4
600	280.0	4456	956	223.2	74.5

Engine Speed rpm	Engine Power hp	Torque lb-ft	Engine BMEP psi	BSFC lb/hp-hr	Fuel Rate gph
1900	2350.0	6495	274	.352	118.1
1800	2256.9	6585	278	.343	110.6
1700	2161.7	6678	282	.338	104.3
1600	2062.5	6770	286	.335	98.7
1500	1959.2	6860	289	.334	93.3
1400	1852.8	6950	293	.334	88.5
1300	1716.5	6934	293	.340	83.3
1200	1068.8	4677	197	.348	53.1
1100	871.7	4162	176	.355	44.2
1000	755.0	3965	167	.360	38.8
900	659.8	3850	162	.362	34.1
800	496.2	3258	137	.364	25.8
700	437.2	3280	138	.366	22.8
600	375.5	3286	139	.367	19.7

Engine Speed rpm	Intake Manifold Temp °C	Intake Manifold Pressure kPa	Intake Air Flow m³/min	Exh Manifold Temp °C	Exh Stk Temp °C	Exh Gas Flow m³/min
1900	50.6	252.2	149.5	639.3	441.2	375.9
1800	50.5	248.0	142.2	626.3	412.8	345.6
1700	50.4	240.8	134.3	617.8	405.7	323.7
1600	50.4	231.0	125.8	616.0	414.9	305.8
1500	50.3	216.8	115.5	628.2	435.7	287.4
1400	50.3	190.7	100.7	651.4	466.3	260.0
1300	50.3	147.9	81.2	674.4	501.4	217.8
1200	50.4	102.7	61.3	685.8	535.5	173.2
1100	50.5	62.2	44.8	685.5	559.3	132.1
1000	50.4	40.4	35.0	676.4	565.9	105.4
900	50.3	28.3	28.4	658.6	552.1	85.3
800	50.2	19.1	23.0	638.9	519.4	67.4
700	50.5	11.9	18.6	624.0	476.4	51.4
600	51.3	6.9	15.3	628.9	426.6	38.5

Engine Speed rpm	Intake Manifold Temp °F	Intake Manifold Pressure in-hg	Intake Air Flow cfm	Exh Manifold Temp °F	Exh Stk Temp °F	Exh Gas Flow cfm
1900	123.1	74.7	5279.5	1182.7	826.2	13274.8
1800	122.9	73.4	5021.8	1159.3	775.0	12204.8
1700	122.7	71.3	4742.8	1144.0	762.3	11431.4
1600	122.7	68.4	4442.6	1140.8	778.8	10799.2
1500	122.5	64.2	4078.8	1162.8	816.3	10149.4
1400	122.5	56.5	3556.2	1204.5	871.3	9181.8
1300	122.5	43.8	2867.6	1245.9	934.5	7691.5
1200	122.7	30.4	2164.8	1266.4	995.9	6116.5
1100	122.9	18.4	1582.1	1265.9	1038.7	4665.1
1000	122.7	12.0	1236.0	1249.5	1050.6	3722.2
900	122.5	8.4	1002.9	1217.5	1025.8	3012.3
800	122.4	5.7	812.2	1182.0	966.9	2380.2
700	122.9	3.5	656.9	1155.2	889.5	1815.2
600	124.3	2.0	540.3	1164.0	799.9	1359.6

Heat Rejection Data

Engine Speed rpm	Engine Power kW	Rej to JW kW	Rej to Atmos kW	Rej to Exh kW	From Aft Clr kW
1900	1752.4	706	133	1633	510
1700	1612.0	631	124	1345	446
1500	1461.0	556	127	1255	347
1300	1280.0	517	162	1096	220
1100	650.0	341	148	601	36
900	492.0	288	147	440	6
700	326.0	215	127	254	n/a

Heat Rejection Data

Engine Speed rpm	Engine Power hp	Rej to JW Btu/min	Rej to Atmos Btu/min	Rej to Exh Btu/min	From Aft Clr Btu/min
1900	2350.0	40150	7564	92869	29004
1700	2161.7	35885	7052	76490	25364
1500	1959.2	31620	7222	71372	19734
1300	1716.5	29402	9213	62329	12511
1100	871.7	19393	8417	34179	2047
900	659.8	16379	8360	25023	341
700	437.2	12227	7222	14445	n/a