

"LABORATORY NAME"
SEQUENCE VIII TEST DATA LOG SHEET

RUN NUMBER _____
(Stand-Engine-Runs Since Reference-Total Runs)

ENGINE NUMBER _____

STAND NUMBER _____

OIL CODE _____

HEADER	RUN-IN					FLUSH
	OBSERVER					
	DATE					
	TIME					
TOTAL HOURS ON "RUN-IN" OR "FLUSH"		1	2	3	4	1/2
TEST PARAMETER						
ENGINE	ENGINE SPEED (Specified, ± 25 r/min)	1500	2000	2500	3150	3150
	ENGINE SPEED (Actual, r/min)					
	ENGINE OUTPUT (Specified, ± 150 W)	1500	3000	3700	3700	3730
	ENGINE OUTPUT (Actual, W)					
TEMPERATURES	OIL GALLERY (107.0 °C MAX)					
	COOLANT OUTLET (93.5 °C MAX)					
	**COOLANT INLET (Record, °C)					
	**COOLANT DIFFERENTIAL (5.6 ± 1 °C)					
	**CARBURETOR INTAKE AIR (Record, °C)					
	**EXHAUST (Record, °C)					
PRESSURES	OIL GALLERY (280 ± 10 kPa)					
	**CRANKCASE VACUUM (.500 ± .120 kPa)					
	**EXHAUST BACK PRESSURE (0 to 3.4 kPa)					
	**INTAKE VACUUM (Record, kPa)					
FLOWS	**FUEL (2.15 ± 0.11 kg/h @ 3150 r/min)					
	**CARBURETOR AIR (Record, kg/h)					
	**AIR FUEL RATIO (13.43 ± 0.5)					
	**CRANKCASE OFF-GAS (850 ± 28 SLH)					
	**ROCKER AIR (Record, SLH)					
	**BLOWBY (approx. 280 ± 60 SLH)					
MISC	IGNITION ADVANCE (Specified, ± 1° Before Top Dead Center, BTDC)	25	25	35	35	35
	IGNITION ADVANCE (Actual, BTDC)					
	OIL HEATER POWER (W)	Oil Heater not in Oil Circuit.				OFF

** Recommended but Not Required.

Required Oil Charge & Sample Volumes

Run-in Oil Charge: 2840mL
 Flush Oil Charge: 1660mL
 Test Oil Charge: 1660mL
 Purge Sample: 60mL
 Oil Sample: 180mL
 New Oil Additions: 240mL

FIG. X3.1 Run-in and Flush Data Log Sheet

"LABORATORY NAME"
SEQUENCE VIII TEST DATA LOG SHEET

RUN NUMBER _____
(Stand-Engine-Runs Since Reference-Total Runs)

ENGINE NUMBER _____

STAND NUMBER _____

OIL CODE _____

HEADER	Column No. ----->	1	2	3	4	5	6	7	8	9	10
	OBSERVER										
DATE											
TIME											
TOTAL HOURS ON STEADY-STATE TEST											
TEST PARAMETER											
ENG	ENGINE SPEED (3150 ± 25 r/min)										
	ENGINE OUTPUT (Record, W)										
TEMPERATURES	OIL GALLERY (135 ± 1°C: SAE 5W, 10W oils) (143.5 ± 1°C: SAE 20, 30, 40, 50 & multigrade oils)										
	COOLANT OUTLET (93.5 ± 1°C)										
	COOLANT INLET (Record, °C)										
	COOLANT DIFFERENTIAL (5.6 ± 1 °C)										
	CARBURETOR INTAKE AIR (Record, °C)										
PRESSURES	OIL GALLERY (280 ± 10 kPa)										
	CRANKCASE VACUUM (.500 ± .120 Pa)										
	EXHAUST BACK PRESSURE (0 to 3.4 kPa)										
	INTAKE VACUUM (Record, kPa)										
FLOWS	FUEL (2.15 ± 0.11 kg/h)										
	*CARBURETOR AIR (approx. 30.2 kg/h)										
	*AIR FUEL RATIO (13.43 ± 0.5)										
	CRANKCASE OFF-GAS (850 ± 28 SLH)										
	ROCKER AIR (Record, SLH)										
	BLOWBY (approx. 280 ± 60 SLH)										
MISC	*IGNITION ADVANCE (35 ± 1° Before Top Dead Center, BTDC)										
	OIL HEATER POWER (Optional, record if used for oil temp control, W)										

* Required during Hours: 1, 10, 20 and 30.

FIG. X3.2 Test Data Log Sheet