DETAILS ON THE FOUR MAIN PROPULSION DIESEL

ENGINES FOR THE MV KALEETAN

GM MODEL 16-567E-5 DIESEL ENGINE

Built By

ELECTRO-MOTIVE DIVISION

General Motors Corp.

La Grange, Illinois

2 cycle 36,000 lbs.

Type of engine

Approximate weight

Approximate wergit	
Number of cylinders	16
	8.5
	10.0
	9072
	14-1/2:1
	7.5
	6.5
	10
	4
	Uniflow
	Turbo Blower
	Pressure
	G.M. Unit Injectors
SPECIFIC	800 RPM
Eng. BHP-to Gen. & Gen. Blower; full load continuous	2240
Eng. BHP-at Overload Rating, 2 hrs. in any 24 hr. period	2440
	400-800
	1333
	122
Air Intake Volume, CFM based on 90°F; 29.5" Hg atmos. press.	6600
Exhaust Gas Volume, CFM based on 90°F intake	14450
Exhaust Back Pressure-Muffler & Piping total, "Ho0	5
Exhaust Temperature, based on 90°F, +25 or -25	735
Air Intake Pressure Loss (intake filter & piping) "H20	6
	164
	82
	4
	12
	660
	125
	500
	85
	150
	165
Fuel consumption, #BHP/hr., 4/4 load (typical)	.372
	Number of cylinders Bore, inches Stroke, inches Total displacement, cu. in. Compression ratio Crankshaft main journal diameter Crankshaft pin journal diameter Number of main bearings Number of exhaust valves per cylinder Type of scavenging Method of scavenging Method of scavenging Type of lubrication Type of injection system SPECIFIC Eng. BHP-to Gen. & Gen. Blower; full load continuous Eng. BHP-at Overload Rating, 2 hrs. in any 24 hr. period Operating Speed Range Piston Speed, ft/min BMEP, lbs. sq. in. Air Intake Volume, CFM based on 90°F; 29.5" Hg atmos. press. Exhaust Gas Volume, CFM based on 90°F; 11take Exhaust Back Pressure-Muffler & Piping total, "H20 Exhaust Temperature, based on 90°F, + 25 or - 25 Air Intake Pressure Loss (intake filter & piping) "H20 Lube 0il Pump Capacity, GPM Piston Cooling 0il Pump, GPM Fuel 0il Pump Capacity, GPM Fuel 0il Pump Capacity, GPM Fuel 0il Pump Suction Lift, ft. Fresh Water Pump Capacity, GPM @ 35 psi (2 pumps) Fresh Water Contained in engine, gal. Raw Water Maximum Temperature Starting Motor Air Working Pressure, psi Starting Motor Air Working Pressure, psi Starting Air Capacity, cu.ft. rec'd (6 starts per eng.) free air Heat Rejection to Engine Room Spaces, Engine & Accessories, BTU/min/h

^{*} Flow data to be corrected for temperature, differing from 90°F.