

Vantage View

Implementation of NMEA 2000® Parameters			
Parameter Name	Source	Range	LCD Display Name
Engine RPM	PGN 127488	0-10,000 RPM	Engine Speed
Engine Boost Pressure	PGN 127488	0-400 PSI	Boost Press
Engine Tilt/Trim	PGN 127488	0-100%	Engine Trim
Engine Oil Pressure	PGN 127489	0-400 PSI	Oil Pressure
Engine Oil Temperature	PGN 127489	0-500 °F	Oil Temp
Engine Temperature	PGN 127489	0-500 °F	Engine Temp
Engine Alternator Voltage	PGN 127489	0-100 Volts	Alt Voltage
Engine Fuel Rate	PGN 127489	0-800 GPH	Fuel Rate
Engine Coolant Pressure	PGN 127489	0-400 PSI	Coolant Press
Engine Fuel Pressure	PGN 127489	0-400 PSI	Fuel Pressure
Engine Status Check Engine	PGN 127489	0-1 (Off-On)	Check Engine
Engine Status Over Temperature	PGN 127489	0-1 (Off-On)	Eng Over Tmp
Engine Status Low Oil Pressure	PGN 127489	0-1 (Off-On)	Low Oil Press
Engine Status Low Oil Level	PGN 127489	0-1 (Off-On)	Low Oil Level
Engine Status Low Fuel Pressure	PGN 127489	0-1 (Off-On)	Low Fuel Pres
Engine Status Low System Voltage	PGN 127489	0-1 (Off-On)	Low Voltage
Engine Status Coolant Level	PGN 127489	0-1 (Off-On)	Coolant Level
Engine Status Water Flow	PGN 127489	0-1 (Off-On)	Water Flow
Engine Status Water in Fuel	PGN 127489	0-1 (Off-On)	Water in Fuel
Engine Status Charge Indicator	PGN 127489	0-1 (Off-On)	Charge Indict
Engine Status Preheat Indicator	PGN 127489	0-1 (Off-On)	Preheat Indict
Engine Status High Boost Pressure	PGN 127489	0-1 (Off-On)	Hi Boost Pres
Engine Status Rev Limit Exceeded	PGN 127489	0-1 (Off-On)	Rev Limit Exc
Engine Status EGR System	PGN 127489	0-1 (Off-On)	EGR System
Engine Status Throttle Position Sensor	PGN 127489	0-1 (Off-On)	Throttle Pos
Engine Status Engine Emergency Stop Mode	PGN 127489	0-1 (Off-On)	Eng Emer Stop
Engine Status Warning Level 1	PGN 127489	0-1 (Off-On)	Warn Level 1
Engine Status Warning Level 2	PGN 127489	0-1 (Off-On)	Warn Level 2
Engine Status Power Reduction	PGN 127489	0-1 (Off-On)	Power Reduct
Engine Status Maintenance Needed	PGN 127489	0-1 (Off-On)	Maint Needed
Engine Status Engine Comm Error	PGN 127489	0-1 (Off-On)	Eng Comm Err
Engine Status Sub or Secondary Throttle	PGN 127489	0-1 (Off-On)	Sub Throttle
Engine Status Neutral Start Protect	PGN 127489	0-1 (Off-On)	Neutral Start
Engine Status Engine Shutting Down	PGN 127489	0-1 (Off-On)	Eng Shut Dn
Engine Percent Load	PGN 127489	0-124%	Percent Load
Engine Total Hours	PGN 127489	0-999999 Hours	Total Hours
Engine Percent Torque	PGN 127489	0-124%	Percent Torq
Transmission Oil Pressure	PGN 127493	0-500 PSI	Tran Oil Pres

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Parameter Name	Source	Range	LCD Display Name
Transmission Oil Temperature	PGN 127493	0-500 °F	Tran Oil Temp
Transmission Status - Check Transmission	PGN 127493	0-1 (Off-On)	Trans Check
Transmission Status - Over Temperature	PGN 127493	0-1 (Off-On)	Trn Over Tmp
Transmission Status - Low Oil Pressure	PGN 127493	0-1 (Off-On)	Trn Low Oil P
Transmission Status - Low Oil Level	PGN 127493	0-1 (Off-On)	Trn Low Oil L
Transmission Status - Sail Drive	PGN 127493	0-1 (Off-On)	Trans Sail Dr
Transmission Gear	PGN 127493	0-2 (Fwd-N-Rev)	Trans Gear
Rudder Angle	PGN 127245	-180 - 180°	Rudder Angle
Fuel Rate Average	PGN 127497	0-800 GPH	Fuel Rate Avg
Fuel Rate Economy	PGN 127497	0-800 GPH	Fuel Rate Eco
Instantaneous Fuel Economy	PGN 127497	0-800 GPH	Inst Fuel Eco
Level - Fuel	PGN 127505	0-100%	Fuel Level
Level - Fresh Water	PGN 127505	0-100%	Fresh Water
Level - Waster Water	PGN 127505	0-100%	Waste Water
Level - Live Well	PGN 127505	0-100%	Live Well Lvl
Level - Oil	PGN 127505	0-100%	Oil Level
Level - Black Water (Sewage)	PGN 127505	0-100%	Black Water
Battery Voltage	PGN 127508	0-100%	Battery Voltg
Battery Current	PGN 127508	-250 - 250 Amps	Battery Currn
Level - Fuel 2	PGN 127505	0-100%	Fuel Level 2
Level - Fresh Water 2	PGN 127505	0-100%	Fresh Water 2
Level - Waste Water 2	PGN 127505	0-100%	Waste Water 2
Level - Live Well 2	PGN 127505	0-100%	Live Well 2
Level - Oil 2	PGN 127505	0-100%	Oil Level 2
Level - Black Water (Sewage) 2	PGN 127505	0-100%	Black Water 2
Speed (Water Reference)	PGN 128259	0-200 MPH	Water Speed
Speed (Ground Reference)	PGN 128259	0-200 MPH	Ground Speed
Water Depth Transducer	PGN 128267	0-2000 Feet	Water Depth
Water Depth Transducer Offset	PGN 128267	-100 - 100 Feet	Wat Dpth Offs
Latitude	PGN 129025	-90 - 90°	Latitude
Longitude	PGN 129025	-180 - 180°	Longitude
Water Temperature	PGN 130310	-50 - 200 °F	Sea Water
Outside Ambient Air Temperature	PGN 130310	-100 - 200 °F	Outsd Air Tmp
Atmospheric Pressure	PGN 130310	0-100 PSI	Atm Pressure
Port Trim Tab	PGN 130576	0-100%	Port Tab
Starboard Trim Tab	PGN 130576	0-100%	Starboard Tab
Water Pressure	PGN 130314	-400 - 400 PSI	Water Press
Speed Over Ground	PGN 129026	0-200 MPH	GND Speed
Total Cumulative Distance	PGN 128275	0-999999 Miles	Tot Distance

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Parameter Name	SPN	PGN	Range	LCD Display Name
Accelerator Pedal Position 1	91	61443	0-100%	Accel Pedal %
Engine Air Inlet Pressure	106	65270	0-72 PSI	Air Inlet Prs
Alternator Current	115	65271	0-250 Amps	Alt Current
Charging System Potential	167	65271	0-50 Volts	Alternator
Altitude	580	65256	-1000 - 18,000 Feet	Altitude
Amber Warning Lamp	624	N/A	0-1 (Off-On)	Amb Warn Lmp
Engine Average Fuel Economy	185	65266	0-200 MPG	Avg Fuel Econ
Barometric Pressure	108	65269	0-16 PSI	Barometric Prs
Net Battery Current	114	65271	-125 - 125 Amps	Battery Curr
Battery Potential/Power Input 1	168	65271	0-50 Volts	Battery Volt
Engine Intake Manifold #1 Pressure	102	65270	0-72 PSI	Boost Press
Brake Application Pressure	116	65274	0-140 PSI	Brake Appl Pr
Brake Primary Pressure	117	65274	0-140 PSI	Brake Prim Pr
Brake Secondary Pressure	118	65274	0-140 PSI	Brake Sec Prs
Aftertreatment 1 SCR Catalyst Reagent Concentration	3516	64923	0-100%	Cat Regnt Con
Aftertreatment 1 SCR Catalyst Reagent Type	3521	64923	0-14	Cat Regnt Typ
Aftertreatment 1 SCR Catalyst Tank Level	1761	65110	0-100%	Cat Tank Lvl
Aftertreatment 1 SCR Catalyst Tank Level 2	3517	65110	0-100%	Cat Tank Lvl2
Aftertreatment 1 SCR Catalyst Tank Temperature	3031	65110	-40 - 400 °F	Cat Tank Temp
Aftertreatment 1 SCR Catalyst Reagent Temperature 2	3515	64923	-40 - 400 °F	Cat Tank Tmp2
Engine Crankcase Pressure	101	65263	-36 - 37 PSI	Cnkcase Press
Compass Bearing	165	65256	0-360°	Compass Bear
Engine Coolant Level	111	65263	0-100%	Coolant Level
Engine Coolant Pressure	109	65263	0-72 PSI	Coolant Press
Engine Coolant Temperature	110	65262	0-400 °F	Coolant Temp
Cruise Control Active	595	65265	0-1 (Off-On)	Cruise Set
Transmission Current Gear	523	61445	-6 - 30 Position	Current Gear
Drive Axle Temperature	578	65273	0-400 °F	Dr Axle Temp
Engine Oil Level	98	65263	0-100%	Eng Oil Level
Engine Oil Pressure	100	65263	0-140 PSI	Eng Oil Press
Engine Oil Temperature 1	175	65262	0-500 °F	Eng Oil Temp
Engine Total Hours of Operation	247	65253	0-999999 Hours	Engine Hours
Engine Speed	190	61444	0-10,000 RPM	Engine Speed
Engine Exhaust Gas Temperature	173	65270	0-3000 °F	Exh Gas Temp

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Parameter Name	SPN	PGN	Range	LCD Display Name
Fire Apparatus Pump Engagement	2599	61448	0-1 (Off-On)	Fire App Pump
Engine Instantaneous Fuel Economy	184	65266	0-200 MPG	Fuel Economy
Fuel Level 1	96	65276	0-100%	Fuel Level 1
Fuel Level 2	38	65276	0-100%	Fuel Level 2
Engine Fuel Delivery Pressure	94	65263	0-140 PSI	Fuel Pressure
Engine Injector Metering Rail 1 Pressure	157	65243	0-32767 PSI	Fuel Rail 1 Pr
Engine Fuel Rate	183	65266	0-40 GPH	Fuel Rate
Engine Fuel Temperature 1	174	65262	0-400 °F	Fuel Temp
High Resolution Total Vehicle Distance	917	65217	0-999999 Miles	HR Vehicle D
Hydraulic Retarder Oil Temperature	120	65275	0-400 °F	Hyd Rt Oil Tm
Hydraulic Retarder Pressure	119	65275	0-500 PSI	Hyd Rt Press
Hydraulic Oil Level	2602	65128	0-100 PSI	Hydr Oil Lvl
Hydraulic Temperature	1638	65128	0-400 °F	Hydraulic Temp
Cab Interior Temperature	170	65269	-100 - 150 °F	Inside Air Tm
Engine Intercooler Temperature	52	65262	0-400 °F	Intrcoolr Tmp
Latitude	584	65267	-180 - 180°	Latitude
Longitude	585	65267	-180 - 180°	Longitude
Engine Intake Manifold 1 Temperature	105	65270	0-400 °F	Manifold Temp
MIL Lamp	1213	N/A	0-1 (Off-On)	MIL Lamp
Navigation-Based Vehicle Speed	517	65256	0-200 MPH	NAV Speed
Ambient Air Temperature	171	65269	-100 - 200 °F	Outside Air Tm
Parking Brake Actuator	619	65274	0-1 (Off-On)	Park Brake Ac
Parking Brake Switch	70	65265	0-1 (Off-On)	Parking Brake
Engine Percent Load At Current Speed	92	61443	0-120%	Percent Load
Port Trim Tab	N/A (NMEA 2000 Marine)		0-100%	Port Tab
Protect Lamp	987	N/A	0-1 (Off-On)	Protect Lamp
Power Takeoff Oil Temperature	90	65264	0-400 °F	PTO Oil Temp
Power Takeoff Speed	186	65264	0-8000 RPM	PTO Speed
Red Stop Lamp	623	N/A	0-1 (Off-On)	Red Stop Lmp
Road Surface Temperature	79	65269	-100 - 500 °F	Road Temp
Sea Water Pump Outlet Pressure	2435	65172	0-72 PSI	Sea Water Prs
Wheel-Based Vehicle Speed	84	65265	0-200 MPH	Speed
Starboard Trim Tab	N/A (NMEA 2000 Marine)		0-100%	Starboard Tab
Steering Axle Temperature	75	65273	0-400 °F	Steer Axle T
Engine Throttle Position	51	65266	0-100%	Throttle
Tire Location	929	65268	0-255	Tire Location

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Parameter Name	SPN	PGN	Range	LCD Display Name
Tire Pressure	241	65268	0-140 PSI	Tire Press
Tire Temperature	242	65268	-100 - 250 °F	Tire Temp
Transmission Oil Level	124	65272	0-100%	Trans Oil Lvl
Transmission Oil Pressure	127	65272	0-500 PSI	Trans Oil Prs
Transmission Oil Temperature	177	65272	0-500 °F	Trans Oil Tmp
Trip Average Fuel Rate	1029	65203	0-800 GPH	Trip Avg Fuel
Trip Drive Fuel Economy	1006	65209	0-200 MPG	Trip Fuel Eco
Engine Turbocharger 1 Speed	103	65245	0-250,000 RPM	Turbo 1 Speed
Engine Turbocharger Oil Temperature	176	65262	0-500 °F	Turbo Oil Tmp
Engine Turbocharger Lube Oil Pressure 1	104	65245	0-140 PSI	Turbo Oil
Total Vehicle Distance	245	65248	0-999999 Miles	Vehicle Dist
Total Vehicle Hours	246	65255	0-999999 Hours	Vehicle Hours
Engine Wait to Start Lamp	1081	65252	0-1 (Off-On)	Wait/Strt Lmp
Washer Fluid Level	80	65276	0-100%	Washer Level
Water In Fuel Indicator	97	65279	0-1 (Off-On)	Water in Fuel