

Signals collected - LOADER_CRANE

NAME	DESCRIPTION	DATA_TYPE	UNIT
LCMultiplexerMode	0=Off, 1=Safe/slow, 2=Normal	uint8	None
olp_rel_ctr	Counts how many times the OLP-release-function has been used	int32	None
use_time	Counts how many minutes the crane has been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[0]	Counts how many times each 1st crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[1]	Counts how many times each 2nd crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[2]	Counts how many times each 3rd crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[3]	Counts how many times each 4th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[4]	Counts how many times each 5th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[5]	Counts how many times each 6th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[6]	Counts how many times each 7th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[7]	Counts how many times each 8th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[8]	Counts how many times each 9th crane function have been used (lever not centered and oil not dumped)	int32	None
func_lev_ctr[9]	Counts how many times each 10th crane function have been used (lever not centered and oil not dumped)	int32	None
auto_dump_time	Counts how many minutes the automatic dumping has caused the oil to be dumped	int32	None
ib_olp_ctr	Counts how many times the different booms have had an OLP-situation	int32	None
ob_olp_ctr	Counts how many times the different booms have had an OLP-situation	int32	None
jb_olp_ctr	Counts how many times the jib boom has had an OLP-situation	int32	None
stab_olp_ctr	Counts how many times an inner boom OLP-situation has occurred because of some slewing sector or VSL limitation	int32	None
lift_ctr	Counts how many lifts have been done with the crane	int32	None
olp_rel_w_ctr	Shows the number of seconds that remains until the OLP release mode can be activated again	int32	None
anin	Voltage to lever for the first 10 values. Then ADS Pressure 1, ADS Pressure 2, Inner Boom Pressure sensor, Inner Boom Rod side Pressure sensor, Outer Boom Tilt sensor, Inner Boom Tilt sensor, Outer/Jib Boom Rod side Pressure sensor, Outer/Jib Boom Pressure sensor, Jib Boom Tilt sensor, Winch box, Spare 4..20mA input	array_of_int32	None
len_pos	Lenght position [0.1mm or 1mm depending of the LEN_RESOLUTION_BIT in len_bits] from the max 14 BaseCAN Length sensors	array_of_int32	None
len_vel	Speed signal [mm/s] from the max 14 BaseCAN Length sensors	array_of_int32	None
angcan_bits	Status bits received from the AngCAN slewing angle sensor	int32	None
angcan_ang	The raw angle reading (1°) received from the AngCAN slewing angle sensor	int32	None
rack_pos	The position of the slewing rack cylinder [mm]	int32	None
pump_flow_sel_inp	The actual state of the pump flow selector input (see the pump_flow_sel_chan parameter)	int32	None
blen_pos	Lenght position [0.1mm or 1mm depending of the LEN_RESOLUTION_BIT in len_bits] from the max 14 BaseCAN Length sensors	array_of_int32	None
blen_vel	Speed signal [mm/s] from the max 14 BaseCAN Length sensors	array_of_int32	None
crane_use_time	Counts how many minutes (dump active and a remote or manual lever moved) the crane has been used with at least one stabilizer set	int32	None
slew_use_time[0]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[1]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[2]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[3]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[4]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[5]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[6]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None

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slew_use_time[7]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[8]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
slew_use_time[9]	Counts how many minutes the slewing has been used with different speeds (lever[0] = 1..9, 10..19, 20..29, ..., 90..100 %)	int32	None
srvc_use_time_left	Counts how many 'use_time'-minutes are left to the next service (count-down counter, starts at srvc_use_hours when the service counters are cleared)	int32	None
em_stop_ctr	Counts how many times the Dump supply has been broken (Error E3 active)	int32	None
ib_prewarn_ctr	Counts how many times the inner boom prewarning pressure level has been reached	int32	None
ib_d_OLP_ctr	Counts how many times the Inner Boom has had an Down-OLP	int32	None
wi_OLP_ctr	Counts how many times the winch overload indicator (wload) has been activated	int32	None
sl_mr_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
sl_ml_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
sl_ar_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
sl_al_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
sl_fr_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
sl_fl_OLP_ctr	Counts how many times the different support legs (Aux/Front/Main, Left/Right) have had OLP	int32	None
lift_ctr_slr	Counts how many lifts have been done giving a SLR/VSL OLP	int32	None
lift_ctr_sl_olp	Counts how many lifts have been done giving a support leg OLP	int32	None
stand_sect_ctr	Counts how many times the crane (slewing and eventually inner and outer booms) has been stopped because of the stand platform logic	int32	None
man_ext_ctr	Counts how many time the Manual Extension or lo_load logic is activated	int32	None
man_ext_lift_ctr	Counts how many lifts has been done with the Manual Extension logic activated	int32	None
auto_dump_ctr	Counts how many times the automatic dumping has caused the oil to be dumped	int32	None
pwr_on_ctr	Counts how many times the power has been switched on to the system	int32	None
pwr_60_ctr	Counts the times the system has been on more than 60 minutes	int32	None
dump2_ctr	Counts the times the DUMP2-output has been activated	int32	None
oil_need_060_ctr	Counts how many times the oil_need has been above each level [lpm]	int32	None
oil_need_080_ctr	Counts how many times the oil_need has been above each level [lpm]	int32	None
oil_need_100_ctr	Counts how many times the oil_need has been above each level [lpm]	int32	None
oil_need_120_ctr	Counts how many times the oil_need has been above each level [lpm]	int32	None
oil_need_140_ctr	Counts how many times the oil_need has been above each level [lpm]	int32	None
err_use_time_lospeed	Counts how many minutes the crane has been used (dump active and a remote or manual lever moved) with a LO_SPEED-error active	int32	None
err_use_time_critstop	Counts how many minutes the crane has been used (dump active and a remote or manual lever moved) with a CRIT_STOP-error active	int32	None
pfd_ctr	Counts how many times the pump flow distribution has been activated (reducing crane speeds)	int32	None
lift_ctr_jib	Counts how many lifts have been done with the crane while using the jib	int32	None
lift_ctr_no_pl_slr	Counts how many lifts has been performed where a SLR/VSL OLP has been delayed/avoided due to the VSL-Plus	int32	None
mewp_sel_ctr	Counts how many times the MEWP mode has been selected	int32	None
mewp_lift_ctr	Counts how many lifts has been done with the MEWP mode (personnel basket) selected	int32	None
jib_connect_ctr	Counts how many times the jib has been connected to the crane (after being unconnected and plugged)	int32	None