



## Informe de servicio

Información de Cabecera de Informe					
Orden de trabajo	8500363589	Código del distribuidor	R089	Fabricante	Caterpillar Inc.
Identificación del empleado	CR 13715	Fecha de servicio	15/10/2024	Modelo	950L
Cliente	██████████	Número de equipo de cliente		Orden de compra del cliente	
Número de serie	TNS00278				
Unidad del medidor de servicio	5375 Horas	Localización del equipo	AREQUIPA		
Fecha de ENTRADA	15/10/2024	Fecha prometida		Fecha de SALIDA	15/10/2024
Instrucciones	INSPECCION VISUAL DEL EQUIPO AT1				

Información Sobre el Camión			
Marca de camión		Modelo de camión	
VIN		Tipo de cabina	
Configuración del vehículo		Fecha de entrega	

Información del Segmento			
No. de segmento: 01			
Segmento Descripción :			
Código de trabajo	040	Descripción	ENTREGA TECNICA
Código de componente	7000	Descripción	MACHINE
Fecha de comienzo	15/10/2024	Fecha de término	15/10/2024
Instrucción	INSPECCION VISUAL DEL EQUIPO AT1		

SIMS / Pieza Causa de la Avería										
No. de segmento	No. de pieza	Nombre de la pieza	Cantidad	MCS	Primario	Secundario	No. del grupo que contiene la pieza	Nombre grupo	¿Producto inoperativo?	Artículo CAT

Mano de Obra									
No. de segmento	Sin operación	Identificación del empleado	Fecha	Indicador de tiempo extra	Códigos de M/O	Hora de comienzo	Hora de término	Cambio	Horas de trabajo

Varios - Costos							
No. de segmento	Sin operación	Identificación del empleado	Fecha	Códigos de cargo	Cantidad	Descripción	Costo

No. de segmento	Sin operación	Identificación del empleado	Fecha	Códigos de cargo	Cantidad	Descripción	Costo
-----------------	---------------	-----------------------------	-------	------------------	----------	-------------	-------

Kilometraje						
No. de segmento	Sin operación	Identificación del empleado	Vehículo	Fecha	Códigos de cargo	Distancia

No. de segmento	Sin operación	Identificación del empleado	Vehículo	Fecha	Códigos de cargo	Distancia
-----------------	---------------	-----------------------------	----------	-------	------------------	-----------

Historial de Reparación	
-------------------------	--

No. de segmento: 01	
Queja del cliente	INSPECCION VISUAL DEL EQUIPO AT1
Causa de la avería	
Daño resultante	<ul style="list-style-type: none"> <li>- Se realizo la coordinación con el cliente para intervenir el equipo</li> <li>- Se tomo muestras de todo los fluidos del equipo para su análisis</li> <li>- Se realizo la inspección visual del equipo</li> <li>- Se tomo datos con la herramienta ET</li> <li>- Se realizo pruebas de funcionamiento del equipo</li> <li>- Se actualizo los software de ECM por código activo</li> </ul> El equipo se encuentra operativo
Comentarios sobre el proceso de reparación	EL EQUIPO SE ENCUENTRA OPERATIVO

Firma del cliente	Firma del técnico de servicio
-------------------	-------------------------------

Cierre de Orden de Trabajo	
----------------------------	--

Sin respuesta	¿Se ha completado el trabajo?
Sin respuesta	¿Las piezas se están almacenando de nuevo?
Sin respuesta	¿Se está devolviendo una pieza usada por una pieza Reman?
Sin respuesta	¿Es un trabajo con garantía?
Sin respuesta	¿Se está devolviendo alguna pieza en garantía?
Sin respuesta	¿Se están devolviendo herramientas?
Sin respuesta	¿Se ha introducido la información en el SIMS?

Oportunidades Adicionales	
---------------------------	--

Sin respuesta	¿Hay que realizar algún servicio adicional?
---------------	---

Sin respuesta	¿Ha preguntado el cliente el precio de algún servicio adicional?
Sin respuesta	¿Ha pedido el cliente que algún representante de ventas se ponga en contacto con él?
Comentario	

Piezas				
No. de segmento	ID de la orden	Orden de trabajo	Operación	Notas adicionales

Datos de las Aplicaciones		
Aplicación	Informe	Creado
Cat Electronic Technician 2024A v1.0	Product Status Report	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	Logged Diagnostic Codes	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	ECM Summary	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	Status	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	Status	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	Status	15/10/2024 10:40 a.m.
Cat Electronic Technician 2024A v1.0	Cylinder Cutout	15/10/2024 10:40 a.m.

#### Cat Electronic Technician 2024A v1.0

Product Status Report

15/10/2024 10:40 a.m.

Product Status Report

Parameter	Value
Product ID	TNS00278
Equipment ID	950L
Comments	

#### Indication Display

Parameter	Value
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT
Software Group Part Number	5523605-00
Software Group Release Date	NOV2017
Software Group Description	Indication Display

#### C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05

Parameter	Value
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

Logged Diagnostic Codes [Diagnostic Clock = 5193 hours] - C7.1 950 (45003989)

Code	Description	Occ.	First	Last
291- 6	Engine Cooling Fan Solenoid : Current Above Normal	1	5375	5375

Logged Event Codes [Diagnostic Clock = 5193 hours] - C7.1 950 (45003989)

Code	Description	Occ.	First	Last
E360 (3)	Low Engine Oil Pressure	255	4812	5044

Active Diagnostic Codes - C7.1 950 (45003989)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C7.1 950 (45003989)

Code	Description
No Active Events	

Current Totals - C7.1 950 (45003989)

Description	Value	Unit
Total Idle Time	1501:27	hours
Total Fuel	16193	gal
Total Idle Fuel	1364	gal
Total Max Fuel	63579	gal
Engine Lifetime Hours	5232.4	hours
Average Load Factor	23	%
Engine Starts	9800	
Lifetime Total Engine Revolutions	399605792	rev
Total Operating Hours	5194.0	hours
Total Engine Idle Shutdown Count	5	
Total Engine Idle Shutdown Overrides Count	3	
Total Delayed Engine Shutdown Count	0	
Total Delayed Engine Shutdown Overrides Count	0	
Starts/Hour	1.87	

Description	Value	Unit
Average RPM	1272.87	rpm
Percentage Idle Time	28.69	%
Average Fuel Rate	3.09	gal/h
Overall Load Factor	25	%

## Configuration - C7.1 950 (45003989)

Description	Value	Unit
Equipment ID	950L	
Engine Serial Number	45003989	
ECM Part Number	3742640-05	
ECM Serial Number	29567061VH	
Software Group Part Number	6074113-00	
Software Group Release Date	OCT20	
Software Group Description	MWL-950	
Rated Power	249 hp at 2200 rpm	
Rated Peak Torque	774 lb-ft at 1400 rpm	
Ether Solenoid Configuration	Not Installed	
Fuel/Water Separator Switch Installation Status	Installed	
Low System Battery Voltage Elevated Idle	Enabled	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Transmission Engaged Engine Low Idle Speed Configuration	900	rpm
Machine Working Engine Low Idle Speed Configuration	900.0	rpm
Machine Hibernating Engine Low Idle Speed Configuration	800.0	rpm
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	5.0	min
Delayed Engine Shutdown Enable Status	Disabled	
Delayed Engine Shutdown Maximum Time	15.0	min
Engine Fan Reversing Feature	Disabled	
Engine Fan Purge Cycle Interval	1200	sec
Engine Fan Purge Cycle Duration	25.0	sec
Cold Engine Parasitic Load Reduction Installation	Not Installed	
FLS	15	

Description	Value	Unit
FTS	4	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	26	

## Lifetime: Accumulated Time vs Intake Manifold Pressure - C7.1 950 (45003989)

Intake Manifold Pressure( psi )	hours	%
<11.603	0.70	0.56
11.603-13.052	2.60	2.07
13.053-14.503	7.35	5.86
14.504-15.953	10.10	8.06
15.954-17.404	11.65	9.29
17.405-18.854	14.80	11.81
18.855-20.304	15.35	12.25
20.305-21.755	24.00	19.15
21.756-23.205	27.35	21.82
23.206-24.655	10.35	8.26
24.656-26.106	1.10	0.88
26.107-27.556	0.00	0.00
27.557-29.007	0.00	0.00
29.008-30.457	0.00	0.00
30.458-31.907	0.00	0.00
31.908-33.358	0.00	0.00
33.359-34.808	0.00	0.00
34.809-36.258	0.00	0.00
36.259-37.709	0.00	0.00
37.710-39.159	0.00	0.00
39.160-40.610	0.00	0.00
40.611-42.060	0.00	0.00
42.061-43.510	0.00	0.00
43.511-44.961	0.00	0.00
44.962-46.411	0.00	0.00
46.412-47.861	0.00	0.00
47.862-49.312	0.00	0.00
49.313-50.762	0.00	0.00
50.763-52.213	0.00	0.00

Intake Manifold Pressure( psi )	hours	%
52.214-53.663	0.00	0.00
53.664-55.113	0.00	0.00
55.114-56.564	0.00	0.00
56.565-58.014	0.00	0.00
58.015-59.464	0.00	0.00
59.465-60.915	0.00	0.00
60.916-62.365	0.00	0.00
62.366-63.816	0.00	0.00
63.817-65.266	0.00	0.00
65.267-66.716	0.00	0.00
66.717-68.167	0.00	0.00
68.168-69.617	0.00	0.00
69.618-71.067	0.00	0.00
71.068-72.518	0.00	0.00
72.519-73.968	0.00	0.00
73.969-75.419	0.00	0.00
75.420-76.869	0.00	0.00
76.870-78.319	0.00	0.00
78.320-79.770	0.00	0.00
79.771-81.220	0.00	0.00
81.221-82.670	0.00	0.00
82.671-84.121	0.00	0.00
84.122-85.571	0.00	0.00
85.572-87.023	0.00	0.00
>87.023	0.00	0.00

Lifetime: Accumulated Time vs Engine Coolant Temperature - C7.1 950 (45003989)

Engine Coolant Temperature( Deg F )	hours	%
<32.00	0.00	0.00
32.00-40.99	0.00	0.00
41.00-49.99	0.00	0.00
50.00-58.99	0.00	0.00
59.00-67.99	0.20	0.00
68.00-76.99	3.30	0.06
77.00-85.99	8.40	0.16
86.00-94.99	14.10	0.27
95.00-103.99	19.40	0.36

Engine Coolant Temperature( Deg F )	hours	%
104.00-112.99	23.75	0.45
113.00-121.99	29.35	0.55
122.00-130.99	32.55	0.61
131.00-139.99	40.10	0.75
140.00-148.99	40.40	0.76
149.00-157.99	49.25	0.93
158.00-166.99	52.80	0.99
167.00-175.99	1239.60	23.32
176.00-184.99	3116.35	58.62
185.00-193.99	581.15	10.93
194.00-202.99	64.90	1.22
203.00-211.99	0.50	0.01
212.00-220.99	0.05	0.00
221.00-229.99	0.10	0.00
230.00-238.99	0.00	0.00
239.00-247.99	0.00	0.00
248.00-256.99	0.00	0.00
257.00-265.99	0.00	0.00
266.00-274.99	0.00	0.00
275.00-283.99	0.00	0.00
284.00-292.99	0.00	0.00
293.00-302.00	0.00	0.00
>302.00	0.00	0.00

Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C7.1 950 (45003989)

Engine Speed( rpm )	Count	%
2500.0-2599.9	713	58.44
2600.0-2699.9	348	28.52
2700.0-2799.9	142	11.64
2800.0-2899.9	17	1.39
2900.0-2999.9	0	0.00
3000.0-3099.9	0	0.00
3100.0-3199.9	0	0.00
3200.0-3299.9	0	0.00
3300.0-3400.0	0	0.00
>3400.0	0	0.00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 950 (45003989)



rpm	<600.0	600.0-649.9	650.0-699.9	700.0-749.9	750.0-799.9	800.0-849.9	850.0-899.9	900.0-949.9	950.0-999.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	0.00	0.00	70.10	80.30	44.45	64.20	36.30	51.25	60.10
10.0-19.9	0.00	0.00	119.85	128.85	158.15	259.95	116.90	55.90	59.45
20.0-29.9	0.00	0.00	0.75	2.05	5.25	11.25	21.00	74.65	87.75
30.0-39.9	0.00	0.00	0.05	0.20	0.70	3.10	10.05	19.70	20.10
40.0-49.9	0.00	0.00	0.00	0.05	0.35	1.45	3.65	5.75	6.60
50.0-59.9	0.00	0.00	0.00	0.05	0.15	0.55	1.25	2.00	2.60
60.0-69.9	0.05	0.00	0.00	0.05	0.10	0.30	0.60	1.00	1.40
70.0-79.9	0.05	0.00	0.05	0.05	0.10	0.15	0.30	0.35	0.40
80.0-89.9	0.00	0.00	0.00	0.05	0.05	0.05	0.10	0.10	0.10
90.0-100.0	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.05
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.10	0.00	190.80	211.65	209.30	341.05	190.15	210.75	238.55

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 950 (45003989)

rpm	1000.0-1049.9	1050.0-1099.9	1100.0-1149.9	1150.0-1199.9	1200.0-1249.9	1250.0-1299.9	1300.0-1349.9	1350.0-1399.9	1400.0-1449.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	39.80	32.65	31.00	38.30	40.60	33.55	32.90	32.20	31.10
10.0-19.9	43.80	32.85	29.10	30.25	31.30	30.05	28.85	28.30	27.00
20.0-29.9	37.55	31.65	30.80	32.85	34.55	35.15	34.15	32.95	31.20
30.0-39.9	17.45	18.30	20.85	25.10	29.10	33.45	37.20	39.35	37.90
40.0-49.9	7.35	9.00	11.60	15.60	20.85	28.50	35.55	41.20	42.75
50.0-59.9	3.60	5.60	8.55	12.65	17.50	22.20	25.60	29.70	32.55
60.0-69.9	1.80	2.30	2.75	3.70	4.95	6.50	8.45	10.95	13.50
70.0-79.9	0.40	0.40	0.60	0.85	1.50	2.30	3.65	5.00	6.40
80.0-89.9	0.10	0.15	0.25	0.40	0.70	1.15	1.60	2.20	2.90
90.0-100.0	0.05	0.05	0.05	0.10	0.25	0.60	1.50	2.20	2.65
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	151.90	132.95	135.55	159.80	181.30	193.45	209.45	224.05	227.95

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 950 (45003989)

rpm	1450.0-1499.9	1500.0-1549.9	1550.0-1599.9	1600.0-1649.9	1650.0-1699.9	1700.0-1749.9	1750.0-1799.9	1800.0-1849.9	1850.0-1899.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	29.45	26.65	24.10	21.45	18.35	15.70	13.50	11.20	9.15
10.0-19.9	24.95	22.80	20.55	18.65	15.55	13.05	10.80	8.65	6.95

rpm	1450.0-1499.9	1500.0-1549.9	1550.0-1599.9	1600.0-1649.9	1650.0-1699.9	1700.0-1749.9	1750.0-1799.9	1800.0-1849.9	1850.0-1899.9
20.0-29.9	28.60	25.75	23.30	20.90	18.30	16.10	14.15	11.95	9.90
30.0-39.9	35.20	32.55	28.75	24.35	20.40	17.60	15.00	12.50	10.15
40.0-49.9	41.75	38.15	34.55	31.70	27.95	23.60	18.35	13.95	11.25
50.0-59.9	34.75	35.45	34.35	31.75	27.60	25.45	23.15	17.70	13.25
60.0-69.9	16.45	18.95	20.70	21.95	21.85	20.25	17.80	15.65	14.15
70.0-79.9	7.85	9.25	10.90	12.60	14.10	15.10	15.35	14.95	14.20
80.0-89.9	4.00	4.55	5.20	6.00	6.80	7.95	8.70	9.30	10.25
90.0-100.0	2.50	2.60	2.90	3.55	4.45	5.80	8.60	12.95	16.25
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	225.50	216.70	205.30	192.90	175.35	160.60	145.40	128.80	115.50

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 950 (45003989)

rpm	1900.0-1949.9	1950.0-1999.9	2000.0-2049.9	2050.0-2099.9	2100.0-2149.9	2150.0-2199.9	2200.0-2249.9	2250.0-2299.9	2300.0-2349.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	7.60	6.60	5.55	4.15	3.10	2.40	1.95	1.45	1.60
10.0-19.9	5.25	4.75	3.85	2.20	1.10	0.70	0.60	0.40	0.65
20.0-29.9	8.00	7.00	5.55	3.40	1.85	1.25	1.00	0.75	1.80
30.0-39.9	8.35	7.10	5.50	3.80	2.55	1.85	1.50	1.10	1.20
40.0-49.9	9.35	8.05	5.85	3.85	2.45	1.70	1.35	1.00	1.20
50.0-59.9	9.70	7.50	5.50	3.90	2.50	1.70	1.30	0.85	1.00
60.0-69.9	12.45	9.95	5.60	3.10	2.00	1.35	1.25	0.80	0.85
70.0-79.9	13.90	15.40	12.50	4.55	2.30	1.60	1.15	0.75	0.90
80.0-89.9	11.25	11.90	14.30	11.25	2.75	1.70	1.35	0.95	1.00
90.0-100.0	16.75	15.20	11.40	7.00	4.65	3.20	1.00	0.35	0.75
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	102.60	93.45	75.60	47.20	25.25	17.45	12.45	8.40	10.95

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C7.1 950 (45003989)

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.00
0.0-9.9	0.80	0.90	924.45
10.0-19.9	0.20	0.05	1342.25
20.0-29.9	0.35	0.05	703.50
30.0-39.9	0.45	0.05	542.55
40.0-49.9	0.50	0.10	506.90
50.0-59.9	0.50	0.15	442.60

rpm	2350.0-2400.0	>2400.0	Total
60.0-69.9	0.55	0.15	264.20
70.0-79.9	0.40	0.10	190.40
80.0-89.9	0.30	0.10	129.50
90.0-100.0	0.20	0.05	127.75
>100.0	0.00	0.00	0.00
Total	4.25	1.70	5174.10

Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C7.1 950 (45003989)

Intake Manifold Air Temperature( Deg F )	hours	%
<32.00	0.05	0.00
32.00-40.99	6.80	0.13
41.00-49.99	43.75	0.82
50.00-58.99	75.15	1.42
59.00-67.99	120.25	2.27
68.00-76.99	317.20	5.98
77.00-85.99	721.65	13.59
86.00-94.99	1267.40	23.87
95.00-103.99	1459.70	27.50
104.00-112.99	870.30	16.39
113.00-121.99	349.00	6.57
122.00-130.99	65.35	1.23
131.00-139.99	0.15	0.00
140.00-148.99	0.05	0.00
149.00-157.99	0.00	0.00
158.00-166.99	0.00	0.00
167.00-175.99	0.10	0.00
176.00-184.99	0.00	0.00
185.00-193.99	1.30	0.02
194.00-202.99	1.55	0.03
203.00-211.99	0.85	0.02
212.00-220.99	0.15	0.00
221.00-229.99	0.05	0.00
230.00-238.99	0.05	0.00
239.00-248.00	0.00	0.00
>248.00	7.65	0.14

Lifetime:Accumulated Time vs Engine Speed - C7.1 950 (45003989)

Engine Speed( rpm )	hours	%
<550.0	0.70	0.01
550.0-599.9	0.15	0.00
600.0-649.9	0.15	0.00
650.0-699.9	207.75	3.84
700.0-749.9	231.15	4.27
750.0-799.9	260.10	4.80
800.0-849.9	433.10	8.00
850.0-899.9	205.15	3.79
900.0-949.9	220.60	4.07
950.0-999.9	247.60	4.57
1000.0-1049.9	154.45	2.85
1050.0-1099.9	134.80	2.49
1100.0-1149.9	137.35	2.54
1150.0-1199.9	161.55	2.98
1200.0-1249.9	183.15	3.38
1250.0-1299.9	195.20	3.60
1300.0-1349.9	211.25	3.90
1350.0-1399.9	225.60	4.17
1400.0-1449.9	229.50	4.24
1450.0-1499.9	227.00	4.19
1500.0-1549.9	218.05	4.03
1550.0-1599.9	206.45	3.81
1600.0-1649.9	193.95	3.58
1650.0-1699.9	176.35	3.26
1700.0-1749.9	161.50	2.98
1750.0-1799.9	146.15	2.70
1800.0-1849.9	129.35	2.39
1850.0-1899.9	115.95	2.14
1900.0-1949.9	102.90	1.90
1950.0-1999.9	93.90	1.73
2000.0-2049.9	75.95	1.40
2050.0-2099.9	47.45	0.88
2100.0-2149.9	25.50	0.47
2150.0-2199.9	17.75	0.33
2200.0-2249.9	12.50	0.23
2250.0-2299.9	8.45	0.16

Engine Speed( rpm )	hours	%
2300.0-2349.9	11.20	0.21
2350.0-2399.9	4.35	0.08
2400.0-2449.9	1.05	0.02
2450.0-2499.9	0.30	0.01
2500.0-2549.9	0.15	0.00
2550.0-2599.9	0.10	0.00
2600.0-2649.9	0.05	0.00
2650.0-2699.9	0.05	0.00
2700.0-2749.9	0.05	0.00
2750.0-2799.9	0.00	0.00
2800.0-2849.9	0.00	0.00
2850.0-2899.9	0.00	0.00
2900.0-2949.9	0.00	0.00
2950.0-2999.9	0.00	0.00
3000.0-3049.9	0.00	0.00
3050.0-3099.9	0.00	0.00
3100.0-3149.9	0.00	0.00
3150.0-3199.9	0.00	0.00
3200.0-3249.9	0.00	0.00
3250.0-3299.9	0.00	0.00
3300.0-3349.9	0.00	0.00
3350.0-3400.0	0.00	0.00
>3400.0	0.00	0.00

## Monitoring System - C7.1 950 (45003989)

Description	State	Trip Point	Delay Time
Engine Overspeed			
Least Severe (1)	Always On	3000 rpm	0 sec
High Air Inlet #1 Differential Pressure			
Least Severe (1)	Always On	0.9 psi	0 sec
Moderate Severity (2)	Always On	0.9 psi	0 sec
High Engine Coolant Temperature			
Least Severe (1)	Always On	228 Deg F	10 sec
Moderate Severity (2)	Always On	232 Deg F	10 sec
Most Severe (3)	Always On	237 Deg F	10 sec
High Fuel/Water Separator			

Description	State	Trip Point	Delay Time
Water Level			
Least Severe (1)	Always On	None	5 sec
Moderate Severity (2)	Always On	None	1800 sec
High Intake Manifold Air Temperature			
Least Severe (1)	Always On	188.6 Deg F	8 sec
Moderate Severity (2)	Always On	195.8 Deg F	8 sec
Low Engine Oil Pressure			
Least Severe (1)	Always On	None	0 sec
Most Severe (3)	Always On	None	0 sec

## Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

## Fan Control

Parameter	Value
ECM Part Number	4388223-01
ECM Serial Number	2036F089EZ
Software Group Part Number	4782338-00
Software Group Release Date	JAN2015
Software Group Description	

## Transmission 950L (WSY01354)

Parameter	Value
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00
ECM Serial Number	29966163WF
Software Group Part Number	5951537-00
Software Group Release Date	MAY2020
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 5375 hours] - Transmission 950L (WSY01354)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 5193 hours] - Transmission 950L (WSY01354)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Transmission 950L (WSY01354)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Transmission 950L (WSY01354)

Code	Description
No Active Events	

Current Totals - Transmission 950L (WSY01354)

Description	Value	Unit
Total Forward Distance	9760.81	Miles
Total Neutral Gear Operating Hours	2014	hours
Total Hours Coasting In Neutral	0	hours
Total Distance Coasting In Neutral	0.0	Miles
Total Number of Coasting in Neutral Occurrences	0	
Total Number of Coasting in Neutral Protection Active Occurrences	160	
Total Hours Coasting in Neutral Protection Active	0.195	hours
Total Distance Coasting in Neutral Protection Active	2.6	Miles
Total Reverse Distance	3064.35	Miles
Total Powertrain Oil Filter Bypass Hours	21.15	hours

Configuration - Transmission 950L (WSY01354)

Description	Value	Unit
Transmission Serial Number	WSY01354	
Lockup Clutch Installation Status	Installed	
Transmission Maximum Forward Gear	5	
Transmission Maximum Reverse Gear	3	
Forward to Reverse Desired Gear	2	
Reverse to Forward Desired Gear	2	
Ground Speed Limiter Installation Status	Not Installed	
Operator Requested Forward Machine Speed Limit	24.9	mph

Description	Value	Unit
Operator Requested Reverse Machine Speed Limit	24.9	mph
Tire Rolling Radius	787	mm
Transmission Direction Switch #2 Type	Type 1	
Economy Mode	Off	
Integrated Braking System Manual Mode Enable Status	Enabled	
Level Operation Neutralization Offset Setpoint	2.0	%
Moderate Slope Operation Neutralization Offset Setpoint	6.0	%
Aggressive Slope Operation Neutralization Offset Setpoint	10.0	%
Transmission Neutralizer Operation Mode Power Up Default Configuration	Retain Last State	
Differential Lock Installation Configuration	Not Installed	
Automatic Differential Lock Feature Installation Status	Not Installed	
Axle Oil Cooler Installation Status	Not Installed	
Cold Engine Parasitic Load Reduction Installation	Not Installed	
Auto Lube System Installation Status	Not Installed	
Lubrication Cycle Set Command	Cycle Mode #2	
Lubrication Operation Mode Set Command	Automatic	
Advanced Machine Security System Installation Status	Not Installed	
Operator Identification Enable Status	Disabled	
Operator Management Radio Frequency Identification Device Enabled Status	Disabled	
EngineerDataEnble	Disabled	

## Lifetime:Time vs Torque Converter Oil Outlet Temperature - Transmission 950L (WSY01354)

Torque Converter Oil Outlet Temperature( Deg F )	hours	%
<140.0	1536.95	29.53
140.0-148.9	424.00	8.15
149.0-157.9	481.00	9.24
158.0-166.9	546.35	10.50
167.0-175.9	573.70	11.02
176.0-184.9	556.70	10.69



Torque Converter Oil Outlet Temperature( Deg F )	hours	%
185.0-193.9	477.10	9.17
194.0-202.9	365.20	7.02
203.0-211.9	189.00	3.63
212.0-220.9	45.85	0.88
221.0-229.9	9.00	0.17
230.0-238.9	0.65	0.01
239.0-247.9	0.05	0.00
248.0-256.9	0.00	0.00
257.0-265.9	0.00	0.00
266.0-274.9	0.00	0.00
275.0-283.9	0.00	0.00
284.0-293.0	0.00	0.00
>293.0	0.00	0.00

Lifetime:Time vs Front Axle Oil Temperature - Transmission 950L (WSY01354)

Front Axle Oil Temperature( Deg F )	hours	%
<32.0	0.00	0.00
32.0-40.9	2.25	0.04
41.0-49.9	87.85	1.68
50.0-58.9	243.70	4.66
59.0-67.9	252.05	4.82
68.0-76.9	240.75	4.61
77.0-85.9	267.05	5.11
86.0-94.9	326.50	6.25
95.0-103.9	398.25	7.62
104.0-112.9	436.95	8.36
113.0-121.9	478.00	9.15
122.0-130.9	511.60	9.79
131.0-139.9	465.70	8.91
140.0-148.9	400.00	7.65
149.0-157.9	323.55	6.19
158.0-166.9	250.50	4.79
167.0-175.9	196.75	3.76
176.0-184.9	118.75	2.27
185.0-193.9	79.55	1.52
194.0-202.9	51.80	0.99

Front Axle Oil Temperature( Deg F )	hours	%
203.0-211.9	36.80	0.70
212.0-220.9	23.30	0.45
221.0-229.9	14.30	0.27
230.0-238.9	8.25	0.16
239.0-247.9	5.50	0.11
248.0-256.9	1.10	0.02
257.0-265.9	0.65	0.01
266.0-275.0	0.50	0.01
>275.0	4.80	0.09

Lifetime:Time vs Rear Axle Oil Temperature - Transmission 950L (WSY01354)

Rear Axle Oil Temperature( Deg F )	hours	%
<32.0	0.00	0.00
32.0-40.9	0.45	0.01
41.0-49.9	29.05	0.56
50.0-58.9	191.05	3.66
59.0-67.9	267.50	5.12
68.0-76.9	242.40	4.64
77.0-85.9	243.70	4.66
86.0-94.9	264.65	5.06
95.0-103.9	341.05	6.52
104.0-112.9	360.60	6.90
113.0-121.9	400.20	7.66
122.0-130.9	421.00	8.05
131.0-139.9	431.00	8.25
140.0-148.9	416.05	7.96
149.0-157.9	360.25	6.89
158.0-166.9	296.55	5.67
167.0-175.9	234.65	4.49
176.0-184.9	202.20	3.87
185.0-193.9	152.25	2.91
194.0-202.9	117.70	2.25
203.0-211.9	72.90	1.39
212.0-220.9	59.40	1.14
221.0-229.9	36.05	0.69
230.0-238.9	34.85	0.67
239.0-247.9	19.65	0.38

Rear Axle Oil Temperature( Deg F )	hours	%
248.0-256.9	12.05	0.23
257.0-265.9	7.60	0.15
266.0-275.0	3.55	0.07
>275.0	8.60	0.16

## Lifetime:Time vs Ground Speed - Transmission 950L (WSY01354)

Ground Speed( mph )	hours	%
<0.5	521.05	15.10
0.5-1.9	757.15	21.94
2.0-3.4	869.40	25.19
3.5-4.9	580.80	16.83
5.0-6.4	257.70	7.47
6.5-7.9	109.50	3.17
8.0-9.4	76.80	2.23
9.5-10.9	53.40	1.55
11.0-12.4	44.90	1.30
12.5-13.9	32.70	0.95
14.0-15.4	27.50	0.80
15.5-16.9	30.10	0.87
17.0-18.4	29.00	0.84
18.5-19.9	22.35	0.65
20.0-21.4	17.40	0.50
21.5-22.9	11.40	0.33
23.0-24.4	7.25	0.21
24.5-25.9	2.55	0.07
26.0-27.4	0.20	0.01
27.5-28.9	0.05	0.00
29.0-30.4	0.00	0.00
30.5-31.9	0.00	0.00
32.0-33.4	0.00	0.00
33.5-35.0	0.00	0.00
>35.0	0.00	0.00

## Lifetime:Time vs Torque Converter Speed Ratio - Transmission 950L (WSY01354)

Torque Converter Speed Ratio( )	hours	%
<0.000	0.00	0.00
0.000-0.099	209.10	6.06
0.100-0.199	116.60	3.38

Torque Converter Speed Ratio( )	hours	%
0.200-0.299	144.55	4.19
0.300-0.399	171.90	4.98
0.400-0.499	199.95	5.79
0.500-0.599	246.20	7.13
0.600-0.699	292.70	8.48
0.700-0.799	351.35	10.18
0.800-0.899	565.15	16.38
0.900-0.999	742.00	21.50
1.000-1.099	286.80	8.31
1.100-1.199	44.85	1.30
1.200-1.299	31.30	0.91
1.300-1.399	21.90	0.63
1.400-1.499	12.30	0.36
1.500-1.599	7.30	0.21
1.600-1.699	3.80	0.11
1.700-1.800	1.90	0.06
>1.800	1.55	0.04

## Ground Speed at Directional Shift Occurrences - Transmission 950L (WSY01354)

Ground Speed( mph )	Count	%
<0.5	237237	42.18
0.5-1.4	107887	19.18
1.5-2.4	87503	15.56
2.5-3.4	65711	11.68
3.5-4.4	37866	6.73
4.5-5.4	18266	3.25
5.5-6.4	6308	1.12
6.5-7.4	1230	0.22
7.5-8.4	281	0.05
8.5-9.4	76	0.01
9.5-10.4	43	0.01
10.5-11.4	13	0.00
11.5-12.4	1	0.00
12.5-13.4	0	0.00
13.5-14.4	0	0.00
14.5-15.4	0	0.00
15.5-16.4	0	0.00

Ground Speed( mph )	Count	%
16.5-17.4	2	0.00
17.5-18.4	0	0.00
18.5-19.4	0	0.00
19.5-20.4	0	0.00
20.5-21.5	0	0.00
>21.5	0	0.00

Shift Count Matrix [Diagnostic Clock = 5193.9542 hours] - Transmission 950L (WSY01354)

To	N	R1	R2	R3	1	2	3	4	5
From									
N	---	21595	95883	1891	13961	66225	1596	481	2
R1	9451	---	3211	17	61955	2548	2	0	0
R2	49830	1344	---	35052	2348	270160	1926	148	0
R3	3635	113	12000	---	55	21602	1361	476	0
1	35069	53824	75697	49	---	5908	353	7	1
2	93635	266	162998	719	83983	---	70000	392	25
3	8697	33	10528	1210	8315	43645	---	10662	441
4	892	12	505	294	288	1567	6989	---	9291
5	256	5	33	9	20	452	1312	7673	---

Graphical Display (TNS00278)

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	5242032-00
Software Group Release Date	OCT2016
Software Group Description	MWL_Information Display

Logged Diagnostic Codes - Graphical Display (TNS00278)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes - Graphical Display (TNS00278)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Graphical Display (TNS00278)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Graphical Display (TNS00278)

Code	Description
No Active Events	

## Configuration - Graphical Display (TNS00278)

Description	Value	Unit
Product ID	TNS00278	
Service Mode Enable Code	1234	
Display Language Status	Spanish	
Information Units Status	Metric	
Display Weight Units Configuration	Tonne (metric)	
Display System Mode	Normal	
Camera System Installation Status	Installed	
Number of Cameras	1	
Object Detection System Enable Status	Disabled	
Object Detection System Radar Type Configuration Code	Disabled or Not Installed	
Object Detection Alarm Mode	Disabled or Not Installed	

## Implement 950L (TNS00278)

Parameter	Value
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC
Software Group Part Number	5951535-00
Software Group Release Date	MAY2020
Software Group Description	950 Implement

## Logged Diagnostic Codes [Diagnostic Clock = 5193 hours] - Implement 950L (TNS00278)

Code	Description	Occ.	First	Last
248- 9	Cat Data Link not communicating	127	5054	5193
800- 9	VIMS Main Module : Abnormal Update Rate	127	5054	5193

## Logged Event Codes [Diagnostic Clock = 5193 hours] - Implement 950L (TNS00278)

Code	Description	Occ.	First	Last
No Logged Event Codes				

## Active Diagnostic Codes - Implement 950L (TNS00278)

Code	Description
248- 9	Cat Data Link not communicating
800- 9	VIMS Main Module : Abnormal Update Rate

## Active Event Codes - Implement 950L (TNS00278)

Code	Description
No Active Events	

## Current Totals - Implement 950L (TNS00278)

Description	Value	Unit
Load Count	1037	
Lifetime Total Payload Weight	201175	ton
Total Pass Count	35552	

## Configuration - Implement 950L (TNS00278)

Description	Value	Unit
Product ID	TNS00278	
Equipment ID		
Secondary Steering Pump Installation Status	Not Installed	
Implement Linkage Configuration	Standard	
Implement Tool Configuration	Bucket	
Loader Lift Linkage Position Sensor Configuration	Rotary Position Sensor	
Loader Tilt Linkage Position Sensor Configuration	Rotary Position Sensor	
Joystick Installation Status	Installed	
Tilt Function Enable Status	Enabled	
3rd Function Enable Status	Disabled	
4th Function Enable Status	Disabled	
Raise Kickout Enable Status	Enabled	
Lower Kickout Enable Status	Enabled	
Rackback Kickout Enable Status	Enabled	
Dump Kickout Enable Status	Enabled	
Lift Linkage Float Enable Status	Enabled	
Lift Linkage Feather Catch Enable Status	Enabled	
Dump Stop Snubbing Enable Status	Disabled	
Autodig Installation Status	Not Installed	
Implement Fine Modulation Control Enable Status	Disabled	
Raise Snubbing Enable Status	Enabled	
Lower Snubbing Enable Status	Disabled	
Rackback Snubbing Enable Status	Disabled	
Dump Snubbing Enable Status	Disabled	
Raise Solenoid #1 Start Current	0.699	Amps

Description	Value	Unit
Raise Solenoid #1 Maximum Current	1.105	Amps
Lower Solenoid #1 Start Current	0.646	Amps
Lower Solenoid #1 Maximum Current	1.275	Amps
Rackback Solenoid #1 Start Current	0.723	Amps
Rackback Solenoid #1 Maximum Current	1.110	Amps
Dump Solenoid #1 Start Current	0.643	Amps
Dump Solenoid #1 Maximum Current	1.109	Amps
Raise Valve Modulation Scale Factor	100.0	%
Lower Valve Modulation Scale Factor	100.0	%
Rackback Valve Modulation Scale Factor	100.0	%
Dump Valve Modulation Scale Factor	100.0	%
Long Range Work Lights #1 Installation Status	Installed	
Beacon Installation Status	Installed	
Road Light Installation	Installed	
Heated Side Rear View Mirrors Installation Status	Not Installed	
Automatic Rear Wiper Enable Status	Disabled	
Operator Seat Belt Monitor Installation Status	Not Installed	
Automatic Beacon On Enable Status	Disabled	
Ride Control System Installation Status	Not Installed	
Quick Coupler Installation Status	Not Installed	
Production Measurement Feature Installation Status	Installed	
Payload Data Source Configuration	Caterpillar	
Production Measurement Feature Enable Status	Enabled	
Payload System Display Mode	Normal	
Last Payload Weight	Conditions Not Met	ton
Payload Control System Calibration Weight	8.047	ton
Loader Bucket Payload Target Weight	6.2	ton
Automatic Truck ID Feature	Not Enabled	
Automatic Material ID Feature	Not Enabled	
Tip-Off Trigger Type Configuration	Disabled	
Tip-Off Mode	Stockpile	
Payload Weigh Activate Lift Position	50.0	%



Description	Value	Unit
Payload Weigh Range Configuration	15.0	%
Payload Overload Warning Enable	Disabled	
Onboard Payload Printer Installation Status	Not Installed	
Payload Control System Number of Printer Tickets Configuration	1	
Onboard Payload Printer Number of Blank Lines Preceding Output	1	
Onboard Payload Printer Number of Blank Lines Following Output	1	
Onboard Payload Printer Truck Ticket Number	0	
Onboard Payload Printer Ticket Header Enable Status	Disabled	
Onboard Payload Printer Ticket Header Line #1	CATERPILLAR	
Onboard Payload Printer Ticket Header Line #2	TRUCK TICKET	
Onboard Payload Printer Ticket Header Line #3		
Onboard Payload Printer Ticket Bucket Weights Enable Status	Enabled	
Onboard Payload Printer Ticket Truck Payload Weight Enable Status	Enabled	
Onboard Payload Printer Ticket Truck ID Enable Status	Enabled	
Onboard Payload Printer Ticket Material ID Enable Status	Enabled	
Onboard Payload Printer Ticket Operator ID Enable Status	Enabled	
Onboard Payload Printer Date Format Configuration	MM-DD-YYYY	
Onboard Payload Printer Date Format Separator Character	-	
Onboard Payload Printer Ticket Payload Data Store Time Enable Status	Enabled	
Onboard Payload Printer Material Report Reset Time Enable Status	Enabled	
Onboard Payload Printer Truck Report Reset Time Enable Status	Enabled	

## Tool Configuration - Implement 950L (TNS00278)

Description	Value	Unit
No Tools Available		

## Cat Electronic Technician 2024A v1.0

Logged Diagnostic Codes

15/10/2024 10:40 a.m.

Implement 950L (TNS00278)

Parameter	Value
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC
Software Group Part Number	5951535-00
Software Group Release Date	MAY2020
Software Group Description	950 Implement

Transmission 950L (WSY01354)

Parameter	Value
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00
ECM Serial Number	29966163WF
Software Group Part Number	5951537-00
Software Group Release Date	MAY2020
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No

C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

Indication Display

Parameter	Value
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT

Parameter	Value
Software Group Part Number	5523605-00
Software Group Release Date	NOV2017
Software Group Description	Indication Display

## Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

## Graphical Display (TNS00278)

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	5242032-00
Software Group Release Date	OCT2016
Software Group Description	MWL_Information Display

## Fan Control

Parameter	Value			
ECM Part Number	4388223-01			
ECM Serial Number	2036F089EZ			
Software Group Part Number	4782338-00			
Software Group Release Date	JAN2015			
Software Group Description				
Code	Description	Occ.	First	Last
C7.1 950 (45003989) - Diagnostic Clock = 5375 hours				
291- 6	Engine Cooling Fan Solenoid : Current Above Normal	1	5375	5375
Implement 950L (TNS00278) - Diagnostic Clock = 5193 hours				
248- 9	Cat Data Link not communicating	127	5054	5375
800- 9	VIMS Main Module : Abnormal Update Rate	127	5054	5375

Code	Description	Occ.	First	Last
Transmission 950L (WSY01354) - Diagnostic Clock = 5375 hours				
No Logged Diagnostic Codes				
Graphical Display (TNS00278)				
No Logged Diagnostic Codes				

**Cat Electronic Technician 2024A v1.0**

ECM Summary

20/05/2024 11:51 a.m.

Description	Value
C7.1 950 (45003989)	
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02
Transmission 950L (WSY01354)	
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00
ECM Serial Number	29966163WF
Software Group Part Number	6323543-00
Software Group Release Date	OCT2022
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No
Implement 950L (TNS00278)	
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC

Description	Value
Software Group Part Number	6340962-00
Software Group Release Date	OCT2022
Software Group Description	950 Implement
Indication Display	
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT
Software Group Part Number	5962842-00
Software Group Release Date	APR2020
Software Group Description	Indication Display
Input/Output Module	
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module
Graphical Display (TNS00278)	
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	6172274-00
Software Group Release Date	NOV2021
Software Group Description	MWL_Information Display
Fan Control	
ECM Part Number	4388223-01
ECM Serial Number	2036F089EZ
Software Group Part Number	4782338-00
Software Group Release Date	JAN2015
Software Group Description	

**Cat Electronic Technician 2024A v1.0**

Status

15/10/2024 10:40 a.m.

Transmission 950L (WSY01354)

Parameter	Value
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00

Parameter	Value
ECM Serial Number	29966163WF
Software Group Part Number	6323543-00
Software Group Release Date	OCT2022
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No

## Implement 950L (TNS00278)

Parameter	Value
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC
Software Group Part Number	6340962-00
Software Group Release Date	OCT2022
Software Group Description	950 Implement

## C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

## Indication Display

Parameter	Value
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT
Software Group Part Number	5962842-00
Software Group Release Date	APR2020
Software Group Description	Indication Display

## Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00

Parameter	Value
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

## Graphical Display (TNS00278)

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	6172274-00
Software Group Release Date	NOV2021
Software Group Description	MWL_Information Display

## Fan Control

Parameter		Value			
ECM Part Number		4388223-01			
ECM Serial Number		2036F089EZ			
Software Group Part Number		4782338-00			
Software Group Release Date		JAN2015			
Software Group Description					
Description	Value	Unit	Min	Max	ECM
CARGADOR 962L					
Actual Gear	3Neutral				Transmission 950L (WSY01354)
Brake Charge Pressure #1	2100	psi	2100	2103	Transmission 950L (WSY01354)
Implement Pump Pressure	782	psi	770	785	Implement 950L (TNS00278)
Air Inlet Temperature	81.5	Deg F	81.5	81.5	C7.1 950 (45003989)
Boost Pressure	0	psi	0	0	C7.1 950 (45003989)
Battery Voltage	28.0	Volts	28.0	28.0	C7.1 950 (45003989)
Delivered Fuel Volume	18.125	mm3	17.875	18.125	C7.1 950 (45003989)
Desired Engine Speed	800	rpm	800	800	C7.1 950 (45003989)
Desired Fuel Rail Pressure	8061	psi	8036	8061	C7.1 950 (45003989)
Engine Coolant Temperature	174	Deg F	174	174	C7.1 950 (45003989)
Engine Load Factor	9	%	9	9	C7.1 950 (45003989)

Description	Value	Unit	Min	Max	ECM
Engine Oil Pressure	55	psi	55	55	C7.1 950 (45003989)
Engine Power Derate	0	%	0	0	C7.1 950 (45003989)
Engine Speed	801	rpm	799	801	C7.1 950 (45003989)
Fuel Consumption Rate	0.7	gal/h	0.7	0.7	C7.1 950 (45003989)
Fuel Rail Pressure	8138	psi	8054	8202	C7.1 950 (45003989)
Intake Manifold Air Temperature	102.9	Deg F	102.9	102.9	C7.1 950 (45003989)
Smoke Limit Fuel Volume	79.750	mm3	79.375	79.750	C7.1 950 (45003989)
Torque Limit Fuel Volume	112.375	mm3	112.250	112.375	C7.1 950 (45003989)

#### Cat Electronic Technician 2024A v1.0

Status

15/10/2024 10:40 a.m.

Transmission 950L (WSY01354)

Parameter	Value
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00
ECM Serial Number	29966163WF
Software Group Part Number	6323543-00
Software Group Release Date	OCT2022
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No

Implement 950L (TNS00278)

Parameter	Value
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC
Software Group Part Number	6340962-00
Software Group Release Date	OCT2022
Software Group Description	950 Implement



## C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

## Indication Display

Parameter	Value
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT
Software Group Part Number	5962842-00
Software Group Release Date	APR2020
Software Group Description	Indication Display

## Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

## Graphical Display (TNS00278)

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	6172274-00
Software Group Release Date	NOV2021
Software Group Description	MWL_Information Display

## Fan Control

Parameter	Value
ECM Part Number	4388223-01
ECM Serial Number	2036F089EZ
Software Group Part Number	4782338-00
Software Group Release Date	JAN2015

Parameter			Value		
Software Group Description					
Description	Value	Unit	Min	Max	ECM
CARGADOR 962L					
Actual Gear	3Neutral				Transmission 950L (WSY01354)
Brake Charge Pressure #1	2064	psi	2064	2103	Transmission 950L (WSY01354)
Implement Pump Pressure	776	psi	770	787	Implement 950L (TNS00278)
Air Inlet Temperature	80.4	Deg F	80.4	81.5	C7.1 950 (45003989)
Boost Pressure	5	psi	0	5	C7.1 950 (45003989)
Battery Voltage	28.0	Volts	28.0	28.0	C7.1 950 (45003989)
Delivered Fuel Volume	27.375	mm3	17.875	64.875	C7.1 950 (45003989)
Desired Engine Speed	2340	rpm	800	2340	C7.1 950 (45003989)
Desired Fuel Rail Pressure	12040	psi	8036	15861	C7.1 950 (45003989)
Engine Coolant Temperature	178	Deg F	174	178	C7.1 950 (45003989)
Engine Load Factor	17	%	9	46	C7.1 950 (45003989)
Engine Oil Pressure	73	psi	54	73	C7.1 950 (45003989)
Engine Power Derate	0	%	0	0	C7.1 950 (45003989)
Engine Speed	2338	rpm	798	2377	C7.1 950 (45003989)
Fuel Consumption Rate	2.9	gal/h	0.7	4.8	C7.1 950 (45003989)
Fuel Rail Pressure	12342	psi	8036	17175	C7.1 950 (45003989)
Intake Manifold Air Temperature	100.9	Deg F	100.9	102.9	C7.1 950 (45003989)
Smoke Limit Fuel Volume	73.875	mm3	51.000	79.875	C7.1 950 (45003989)
Torque Limit Fuel Volume	96.000	mm3	87.500	154.750	C7.1 950 (45003989)

Hold button has been pressed.

## Cat Electronic Technician 2024A v1.0

## Status

15/10/2024 10:40 a.m.

Transmission 950L (WSY01354)

Parameter	Value
Product ID	TNS00278
Equipment ID	
Transmission Serial Number	WSY01354
ECM Part Number	4559584-00
ECM Serial Number	29966163WF
Software Group Part Number	6323543-00
Software Group Release Date	OCT2022
Software Group Description	950 Transmission
Active Diagnostic Codes Present	No

Implement 950L (TNS00278)

Parameter	Value
Product ID	TNS00278
Equipment ID	
ECM Part Number	4559580-00
ECM Serial Number	28366029WC
Software Group Part Number	6340962-00
Software Group Release Date	OCT2022
Software Group Description	950 Implement

C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

Indication Display

Parameter	Value
ECM Part Number	4204284-03
ECM Serial Number	2796D018DT

Parameter	Value
Software Group Part Number	5962842-00
Software Group Release Date	APR2020
Software Group Description	Indication Display

## Input/Output Module

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	2846B100HZ
Software Group Part Number	4805894-00
Software Group Release Date	SEP2015
Software Group Description	Relay Driver Module

## Graphical Display (TNS00278)

Parameter	Value
ECM Part Number	4592220-02
ECM Serial Number	3026G032ZU
Software Group Part Number	6172274-00
Software Group Release Date	NOV2021
Software Group Description	MWL_Information Display

## Fan Control

Parameter	Value				
ECM Part Number	4388223-01				
ECM Serial Number	2036F089EZ				
Software Group Part Number	4782338-00				
Software Group Release Date	JAN2015				
Software Group Description					
Description	Value	Unit	Min	Max	ECM
CARGADOR 962L					
Actual Gear	3F				Transmission 950L (WSY01354)
Brake Charge Pressure #1	1997	psi	1997	2008	Transmission 950L (WSY01354)
Implement Pump Pressure	779	psi	773	787	Implement 950L (TNS00278)
Air Inlet Temperature	80.6	Deg F	80.6	80.8	C7.1 950 (45003989)
Boost Pressure	18	psi	18	18	C7.1 950 (45003989)
Battery Voltage	28.0	Volts	28.0	28.0	C7.1 950 (45003989)

Description	Value	Unit	Min	Max	ECM
Delivered Fuel Volume	89.500	mm3	89.250	89.625	C7.1 950 (45003989)
Desired Engine Speed	1979	rpm	1979	1979	C7.1 950 (45003989)
Desired Fuel Rail Pressure	14329	psi	14323	14331	C7.1 950 (45003989)
Engine Coolant Temperature	183	Deg F	181	183	C7.1 950 (45003989)
Engine Load Factor	62	%	61	62	C7.1 950 (45003989)
Engine Oil Pressure	69	psi	69	70	C7.1 950 (45003989)
Engine Power Derate	0	%	0	0	C7.1 950 (45003989)
Engine Speed	1980	rpm	1977	1981	C7.1 950 (45003989)
Fuel Consumption Rate	8.3	gal/h	8.3	8.3	C7.1 950 (45003989)
Fuel Rail Pressure	14706	psi	14388	14828	C7.1 950 (45003989)
Intake Manifold Air Temperature	92.3	Deg F	92.3	92.7	C7.1 950 (45003989)
Smoke Limit Fuel Volume	145.500	mm3	144.875	145.500	C7.1 950 (45003989)
Torque Limit Fuel Volume	138.500	mm3	138.375	138.500	C7.1 950 (45003989)
Hold button has been pressed.					

**Cat Electronic Technician 2024A v1.0**

Cylinder Cutout

15/10/2024 10:40 a.m.

C7.1 950 (45003989)

Parameter	Value
Equipment ID	950L
Engine Serial Number	45003989
ECM Part Number	3742640-05
ECM Serial Number	29567061VH
Software Group Part Number	6074113-00
Software Group Release Date	OCT20
Software Group Description	MWL-950
Calibration Identification Number	AU903_02

## Test Status

Cylinder	Mode	Delivered Fuel Volume ( mm3 )
Cylinder 1	Powered	22.13
Cylinder 2	Powered	21.48
Cylinder 3	Powered	21.15
Cylinder 4	Powered	21.88
Cylinder 5	Powered	21.82
Cylinder 6	Powered	21.96

## Status Parameters

Description	Value
Engine Speed	799 rpm
Delivered Fuel Volume	19.250 mm3

## Archivos Adjuntos

Nombre	Tamaño	Modificado	Título	Descripción
20240520_092018.jpg	69258	15/10/2024 10:40 a.m.	PLACA DEL EQUIPO	
20240520_092044.jpg	102306	15/10/2024 10:40 a.m.	LADO POSTERIOR	
20240520_092053.jpg	78652	15/10/2024 10:40 a.m.	LADO IZQUIERDO	
20240520_092301.jpg	110480	15/10/2024 10:40 a.m.	CUCHARON	
20240520_092335.jpg	94560	15/10/2024 10:40 a.m.	LADO DERECHO	
20240520_092620.jpg	78830	15/10/2024 10:40 a.m.	DISCO DE FRENO	EN UN 50 % DE TRABAJO
20240520_093237.jpg	104541	15/10/2024 10:40 a.m.	MOTOR LADO DERECHO	
20240520_093306.jpg	93451	15/10/2024 10:40 a.m.	MOTOR LADO IZQUIERDO	
20240520_093315.jpg	55874	15/10/2024 10:40 a.m.	FAJA DEL MOTOR	
20240520_093557.jpg	55510	15/10/2024 10:40 a.m.	HOROMETRO	
20240520_113922.jpg	65768	15/10/2024 10:40 a.m.	ACTUALIZACION DE SOFTWARE	
20240520_120230.jpg	56470	15/10/2024 10:40 a.m.	LUCES	
20240520_120246.jpg	117857	15/10/2024 10:40 a.m.	LUCES	

## Imágenes digitales

Imágenes digitales

Título: PLACA DEL EQUIPO

Descripción : 15/10/2024 10:40 a.m.



Imágenes digitales

Título: LADO POSTERIOR

Descripción :

15/10/2024 10:40 a.m.





Imágenes digitales

Título: LADO IZQUIERDO

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: CUCHARON

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: LADO DERECHO

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: DISCO DE FRENO

Descripción : EN UN 50 % DE TRABAJO

15/10/2024 10:40 a.m.

Imágenes digitales



Imágenes digitales

Título: MOTOR LADO DERECHO

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: MOTOR LADO IZQUIERDO

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: FAJA DEL MOTOR

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales





Imágenes digitales

Título: ACTUALIZACION DE SOFTWARE

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: LUCES

Descripción :

15/10/2024 10:40 a.m.



Imágenes digitales

Título: LUCES

Descripción :

15/10/2024 10:40 a.m.

