

TRANSMISSION POWER

SHIFT REAR

E250-56125-3005

SHOP JOB NUM : PENROSE

SAMPLE SHIP TIME (days) : 4

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 05-May-26

EQUIP NUM: 0561

CAT 627G

SERIAL NUMBER: AXF00561

No Action Required

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

Interp By: Getnet Abayle
Interpreted On: 11-May-26

SAMPLE INFORMATION

	01-May-26	02-Mar-26	20-May-25
Sampled Date	01-May-26	02-Mar-26	20-May-25
Sample Id	E250-56125-3005	E250-56071-4009	E250-55157-3028
Lab Date	05-May-26	12-Mar-26	06-Jun-25
Meter [Hr]	14433	14369	13204
Comp Meter [Hr]	14433	14369	13204
Meter On Fluid	1227	1165	13204
Fluid Brand			
Fluid Weight	30	30	
Fluid Type			
Fluid Change	Y	Y	Y
Filter Change	Y	Y	Y
Kidney Loop	U	U	U
Total Fluid Added	0	0	0

WEAR LEVELS / ADDITIVES

01-May-26 02-Mar-26 20-May-25

ELEMENTAL ANALYSIS (PPM) ASTM D6185 (OIL) / ASTM D6130 (COOLANT)

Cu	Copper	1	1	2
Fe	Iron	2	4	2
Cr	Chromium	0	0	0
Al	Aluminum	1	1	0
Pb	Lead	0	1	1
Sn	Tin	0	0	0
Si	Silicon	11	29	10
Na	Sodium	2	0	2
K	Potassium	1	2	0
Mo	Molybdenum	3	4	5
Ni	Nickel	0	0	0
Ag	Silver	0	0	0
Ca	Calcium	2428	2294	2389
P	Phosphorus	889	850	971
Zn	Zinc	1094	1049	1147
Mg	Magnesium	35	40	34
B	Boron	3	6	9

PREVIOUS SAMPLE

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

	01-May-26	02-Mar-26	20-May-25	
VISCOSITY (CENTISTOKES) ASTM D445				
V100	Viscosity at 100 C	10.22	10.27	10.45

INFRARED (UEM) ASTM E2412

ST	Soot	0	0	0
OXI	Oxidation	3	3	3
SUL	Sulfate By-Product	12	12	12
NIT	Nitration	0	0	0

WATER

W	Water	N	N	N
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ANTIFREEZE

A	Antifreeze	N	N	N
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CLEANLINESS

		01-May-26	02-Mar-26	20-May-25
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406				
ISO	ISO Code Rating	18/16/13		19/17/13
PC Ra	PC Rating	-		
NAS	NAS	-		
4μ	4μ	1945		3625
6μ	6μ	450		910
10μ	10μ	125		195
14μ	14μ	60		75
18μ	18μ	-		
21μ	21μ	30		30
38μ	38μ	15		5
50μ	50μ	-		

ENGINE REAR

EQUIP NUM: 0561

SERIAL NUMBER: AXF00561

E250-56022-1069

SHOP JOB NUM : PA-1

SAMPLE SHIP TIME (days) : 41

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 22-Jan-26

CAT 827G



No Action Required

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

Interp By: Mary Gossett
Interpreted On: 25-Jan-26

SAMPLE INFORMATION

	12-Dec-25	08-Nov-25	25-Aug-25	16-Jul-25
Sample Id	E250-56022-1069	E250-55317-1022	E250-55247-1114	E250-55199-1166
Lab Date	22-Jan-26	13-Nov-25	04-Sep-25	18-Jul-25
Meter [Hr]	14295	13981	13740	13481
Comp Meter [Hr]	14295	13981	13740	13481.0
Meter On Fluid	314	241	256	240
Fluid Brand				
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	Y	U	Y	Y
Filter Change	Y	U	Y	Y
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	12-Dec-25	08-Nov-25	25-Aug-25	16-Jul-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	12.07	11.63	11.77	12.23

WEAR LEVELS / ADDITIVES

	12-Dec-25	08-Nov-25	25-Aug-25	16-Jul-25
ELEMENTAL ANALYSIS (PPM) ASTM D6185 (OIL) / ASTM D6130 (COOLANT)				
Cu Copper	2	1	3	2
Fe Iron	46	29	35	39
Cr Chromium	1	1	1	1
Al Aluminum	2	1	2	2
Pb Lead	0	1	1	1
Sn Tin	0	0	0	0
Si Silicon	6	4	4	4
Na Sodium	1	0	2	10
K Potassium	2	3	5	8
Mo Molybdenum	9	13	18	47
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ca Calcium	2680	2549	2340	2316
P Phosphorus	949	919	848	943
Zn Zinc	1169	1117	1054	1235
Mg Magnesium	37	53	42	39
B Boron	6	9	12	26

WATER

W Water	N	N	N	N
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ANTIFREEZE

A Antifreeze	N	N	N	N
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FUEL

F Fuel	N	N	N	N
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FUEL CONTENT (%) ASTM D3524

PFc Percent Fuel	1.3	1.22		
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ENGINE FRONT

EQUIP NUM: 0561

SERIAL NUMBER: AXF00561

CAT 627G

 No Action Required

Interp By: Mary Gossett
Interpreted On: 23-Nov-25

E250-55325-1111

SHOP JOB NUM : PA-6

SAMPLE SHIP TIME (days) : 13

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 21-Nov-25

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

SAMPLE INFORMATION

	08-Nov-25	25-Aug-25	16-Jul-25	27-May-25
Sample Id	E250-55325-1111	E250-55247-1112	E250-55199-1183	E250-55157-1107
Lab Date	21-Nov-25	04-Sep-25	18-Jul-25	06-Jun-25
Meter [Hr]	13981	13740	13481	13241
Comp Meter [Hr]	13981	13740	13481	13241
Meter On Fluid	241	256	240	241
Fluid Brand				
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

WEAR LEVELS / ADDITIVES

	08-Nov-25	25-Aug-25	16-Jul-25	27-May-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 (OIL) / ASTM D6130 (COOLANT)				
Cu Copper	1	1	2	1
Fe Iron	19	20	23	20
Cr Chromium	0	0	0	0
Al Aluminum	2	1	2	0
Pb Lead	1	1	2	1
Sn Tin	0	1	1	0
Si Silicon	3	2	2	3
Na Sodium	1	1	9	2
K Potassium	2	1	2	2
Mo Molybdenum	17	29	81	90
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ca Calcium	2505	2196	2180	2179
P Phosphorus	949	927	1015	1037
Zn Zinc	1140	1066	1289	1195
Mg Magnesium	52	34	36	41
B Boron	15	19	45	51

PREVIOUS SAMPLE

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	08-Nov-25	25-Aug-25	16-Jul-25	27-May-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	12.82	13.13	13.24	13

INFRARED (UFM) ASTM E2412

ST Soot	50	57	54	52
OXI Oxidation	11	12	14	14
SUL Sulfate By-Product	19	21	20	20
NIT Nitration	0	0	0	0

WATER

W Water	N	N	N	N
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ANTIFREEZE

A Antifreeze	N	N	N	N
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FUEL

F Fuel	N	N	N	N
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TRANSMISSION POWER

SHIFT FRONT

E250-56125-3003

SHOP JOB NUM : PENROSE

SAMPLE SHIP TIME (days) : 4

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 05-May-26

EQUIP NUM: 0561

CAT 627G

SERIAL NUMBER: AXF00561



No Action Required

Interp By: Getnet Aboyle

Interpreted On: 11-May-26

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

SAMPLE INFORMATION

	01-May-26	02-Mar-26	20-May-25	30-Aug-24
Sample Id	E250-56125-3003	E250-56071-3012	E250-55157-3029	E250-54256-3024
Lab Date	05-May-26	12-Mar-26	06-Jun-25	12-Sep-24
Meter [Hr]	14433	14369	13204	11694
Comp Meter [Hr]	14433	14369	13204	11694
Meter On Fluid	1227	1165	13204	11694
Fluid Brand				
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	Y	Y	Y	U
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

WEAR LEVELS / ADDITIVES

01-May-26 02-Mar-26 20-May-25 30-Aug-24

ELEMENTAL ANALYSIS (PPM) ASTM D5185 (OIL) / ASTM D6130 (COOLANT)

Cu	Copper	30	90	95	148
Fe	Iron	9	26	30	30
Cr	Chromium	0	0	0	0
Al	Aluminum	1	1	0	6
Pb	Lead	1	4	9	32
Sn	Tin	1	0	2	1
Si	Silicon	4	11	7	10
Na	Sodium	2	1	1	3
K	Potassium	1	1	1	3
Mo	Molybdenum	3	4	3	3
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	1	3
Ca	Calcium	2294	2153	2198	3950
P	Phosphorus	859	798	867	916
Zn	Zinc	1047	959	1005	1177
Mg	Magnesium	24	24	20	14
B	Boron	3	4	4	4

PREVIOUS SAMPLE

SAMPLE SHOWS A SLIGHT AMOUNT OF GRANULAR DEBRIS. IRON IS HIGH. CHECK FOR ABNORMAL NOISE/PERFORMANCE AND REPAIR IF NEEDED. OIL AND FILTER(S) CHANGED AT THIS TIME. RESAMPLE AT HALF THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

01-May-26 02-Mar-26 20-May-25 30-Aug-24

VISCOSITY (CENTISTOKES) ASTM D446

V100 Viscosity at 100 C 9.261 7.784 8.866 7.100

INFRARED (UFM) ASTM E2412

ST	Soot	0	0	0	0
OXI	Oxidation	3	3	4	8
SUL	Sulfate By-Product	12	13	13	16
	Sulfur Products	12	13	13	16
NIT	Nitration	0	0	0	0

WATER

W Water N N N N

ANTIFREEZE

A Antifreeze N N N N

CLEANLINESS

01-May-26 02-Mar-26 20-May-25 30-Aug-24

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	20/18/14	24/23/20	20/19/15	23/19/13
PC Ra	PC Rating	-	-	-	-
NAS	NAS	-	-	-	-
4µ	4µ	8345	117350	9850	48960
6µ	6µ	1790	58475	2955	3815
10µ	10µ	365	17595	510	165
14µ	14µ	160	8085	205	45
18µ	18µ	-	-	-	-
21µ	21µ	65	3125	65	20
38µ	38µ	10	565	10	15
50µ	50µ	-	-	-	-