

ENGINE FRONT

EQUIP NUM: 0681

SERIAL NUMBER: AXF00681

CAT 627G

No Action Required

Interp By: Getnet Aboyle

Interpreted On: 20-May-26

E250-56139-1098

SHOP JOB NUM : PENROSE

SAMPLE SHIP TIME (days) : 7

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 19-May-26

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

SAMPLE INFORMATION

	12-May-26	24-Nov-25	26-Jun-25	29-Apr-25
Sampled Date	12-May-26	24-Nov-25	26-Jun-25	29-Apr-25
Sample Id	E250-56139-1098	E250-56007-1067	E250-55183-1099	E250-55125-1121
Lab Date	19-May-26	07-Jan-26	02-Jul-25	05-May-25
Meter [Hr]	23530	23335	22856	22588
Comp Meter [Hr]	23530	23335	22856	22588
Meter On Fluid	249	212	241	250
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

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-May-26	24-Nov-25	26-Jun-25	29-Apr-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	13.70	13.69	14.34	15.4

INFRARED (UFM) ASTM E2412

ST	Soot	17	54	100	248
OXI	Oxidation	13	10	15	19
SUL	Sulfate By-Product	26	19	22	28
NIT	Nitration	0	0	0	0

WEAR LEVELS / ADDITIVES

12-May-26 24-Nov-25 26-Jun-25 29-Apr-25

ELEMENTAL ANALYSIS (PPM) ASTM D6166 (OIL) / ASTM D6130 (COOLANT)

Cu	Copper	15	3	4	5
Fe	Iron	14	17	42	50
Cr	Chromium	0	0	1	1
Al	Aluminum	1	2	2	2
Pb	Lead	0	0	1	2
Sn	Tin	0	0	0	0
Si	Silicon	3	3	3	2
Na	Sodium	2	2	1	1
K	Potassium	1	1	2	1
Mo	Molybdenum	4	9	83	94
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ca	Calcium	2487	2645	2494	2378
P	Phosphorus	936	1020	1163	1125
Zn	Zinc	1079	1161	1300	1356
Mg	Magnesium	25	29	47	73
B	Boron	6	7	42	55

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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ENGINE REAR

EQUIP NUM: 0881

SERIAL NUMBER: AXF00881

E250-56139-1103

SHOP JOB NUM : PENROSE

SAMPLE SHIP TIME (days) : 7

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 19-May-26

CAT 627G

Monitor Compartment



IRON IS HIGH. CHROME IS SLIGHTLY HIGH. CHECK FOR ABNORMAL NOISE/PERFORMANCE AND REPAIR IF NEEDED. OIL & FILTER(S) WERE CHANGED AT THIS TIME. RESAMPLE IN 250 HRS.

Interp By: Getnet Aboyle

Interpreted On: 20-May-26

SAMPLE INFORMATION

	12-May-26	24-Nov-25	23-Jun-25	29-Apr-25
Sampled Date	12-May-26	24-Nov-25	23-Jun-25	29-Apr-25
Sample Id	E250-56139-1103	E250-56007-1058	E250-55183-1098	E250-55125-1127
Lab Date	19-May-26	07-Jan-26	02-Jul-25	05-May-25
Meter [Hr]	23530	23335	228562	22588
Comp Meter [Hr]	23530	23335	228562	22588
Meter On Fluid	249	212	41	250
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

	12-May-26	24-Nov-25	23-Jun-25	29-Apr-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 (OIL) / ASTM D6130 (COOLANT)				
Cu Copper	4	5	23	10
Fe Iron	153	144	369	182
Cr Chromium	3	3	9	5
Al Aluminum	2	3	10	7
Pb Lead	0	1	6	3
Sn Tin	1	0	1	1
Si Silicon	10	10	28	18
Na Sodium	9	3	6	4
K Potassium	21	4	10	6
Mo Molybdenum	8	14	94	113
Ni Nickel	1	1	2	1
Ag Silver	0	0	0	0
Ca Calcium	2575	2656	2581	2813
P Phosphorus	946	1016	1140	1339
Zn Zinc	1101	1160	1339	1590
Mg Magnesium	23	31	48	52
B Boron	5	9	52	92

PREVIOUS SAMPLE

IRON DECREASED BUT REMAINS HIGH. CHROME IS SLIGHTLY HIGH. THIS MAY BE CARRY-OVER FROM THE PREVIOUS OIL CHANGE. CHECK FOR ABNORMAL NOISE/PERFORMANCE AND REPAIR IF NEEDED. OIL AND FILTER(S) CHANGED AT THIS TIME. RESAMPLE IN 250 HRS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	12-May-26	24-Nov-25	23-Jun-25	29-Apr-25
VISCOSITY (CENTISTOKES) ASTM D446				
V100 Viscosity at 100 C	14.42	13.85	14.65	12.7
INFRARED (UFM) ASTM E2412				
ST Soot	82	73	170	81
OXI Oxidation	11	12	23	17
SUL Sulfate By-Product	20	21	29	23
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 REAR

E250-55161-3050

SHOP JOB NUM : TALLON

POINTE

SAMPLE SHIP TIME (days) : 6

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 10-Jun-25

EQUIP NUM: 0681

CAT 627G

SERIAL NUMBER: AXF00681

No Action Required

Interp By: Mary Gossett

Interpreted On: 14-Jun-25

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

SAMPLE INFORMATION

	04-Jun-25	31-May-23	28-Dec-21	17-Aug-21
Sample Id	E250-55161-3050	E250-53152-3028	E250-52011-3014	E250-51236-3026
Lab Date	10-Jun-25	01-Jun-23	11-Jan-22	24-Aug-21
Meter [Hr]	22702	20356	19031	18288
Comp Meter [Hr]	22702	20356	19031	18288
Meter On Fluid	1253	1325	2424	1681
Fluid Brand				
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	Y	Y	Y	N
Filter Change	Y	Y	Y	N
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 500 HRS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	04-Jun-25	31-May-23	28-Dec-21	17-Aug-21
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	10.74	10.10	10.2	9.9

INFRARED (UFM) ASTM E2412

ST Soot	0	0	0	3
OXI Oxidation	3	3	4	4
SUL Sulfate By-Product	12	12	13	14
SUL Sulfur Products	12	12	13	14
NIT Nitration	0	0	5	5

WEAR LEVELS / ADDITIVES

04-Jun-25 31-May-23 28-Dec-21 17-Aug-21

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

Cu Copper	2	3	5	3
Fe Iron	7	10	23	15
Cr Chromium	0	0	0	0
Al Aluminum	5	2	3	2
Pb Lead	0	0	0	1
Sn Tin	0	0	0	0
Si Silicon	8	6	15	15
Na Sodium	1	1	3	1
K Potassium	2	2	4	6
Mo Molybdenum	6	4	2	3
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ca Calcium	2570	2374	2860	2935
P Phosphorus	946	785	970	1004
Zn Zinc	1151	1035	1176	1221
Mg Magnesium	19	27	14	14
B Boron	6	9	6	6

WATER

W Water	N	N	N	N
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ANTIFREEZE

A Antifreeze	N	N	N	N
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CLEANLINESS

04-Jun-25 31-May-23 28-Dec-21 17-Aug-21

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4408

ISO	ISO Code Rating	23/20/16	22/21/17	22/20/18	22/19/14
4μ	4μ	57830	21528	28700	30762
6μ	6μ	6360	11432	9657	4485
10μ	10μ	1045	2593	3303	191
14μ	14μ	455	1074	2234	106
18μ	18μ		714	1752	77
21μ	21μ	145	567	1528	63
38μ	38μ	15	197	890	30
50μ	50μ		111	650	21

TRANSMISSION POWER

SHIFT FRONT

E250-55161-3052

SHOP JOB NUM : TALLON

POINTE

SAMPLE SHIP TIME (days) : 6

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 10-Jun-25

EQUIP NUM: 0681

CAT 627G



Monitor Compartment

IRON IS HIGH. CHECK FOR ABNORMAL NOISE/PERFORMANCE AND REPAIR IF NEEDED. WERE CHGD WHEN THIS SAMPLE WAS TAKEN. RESAMPLE IN 250 HRS.

SERIAL NUMBER: AXF00881

Interp By: Mary Gossett

Interpreted On: 14-Jun-25

SAMPLE INFORMATION

	04-Jun-25	31-May-23	28-Dec-21	17-Aug-21
Sample Id	E250-55161-3052	E250-53152-3027	E250-52011-3015	E250-51236-3025
Lab Date	10-Jun-25	01-Jun-23	11-Jan-22	24-Aug-21
Meter [Hr]	22702	20356	19031	18288
Comp Meter [Hr]	22702	20356	19031	18288
Meter On Fluid	1253	1325	2424	1681
Fluid Brand				
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	Y	Y	Y	N
Filter Change	Y	Y	Y	N
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

WEAR LEVELS / ADDITIVES

04-Jun-25 31-May-23 28-Dec-21 17-Aug-21

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

Cu	Copper	61	190	103	55
Fe	Iron	56	40	27	20
Cr	Chromium	0	0	0	0
Al	Aluminum	3	2	1	1
Pb	Lead	7	14	12	9
Sn	Tin	1	1	1	0
Si	Silicon	24	5	4	3
Na	Sodium	2	1	1	0
K	Potassium	2	2	1	0
Mo	Molybdenum	4	2	1	2
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ca	Calcium	2625	2407	2414	2496
P	Phosphorus	943	814	946	950
Zn	Zinc	1154	991	1004	1062
Mg	Magnesium	29	16	22	25
B	Boron	8	10	6	6

PREVIOUS SAMPLE

IRON AND COPPER ARE HIGH. CHECK FOR ABNORMAL NOISE/PERFORMANCE AND REPAIR IF NEEDED. LABEL SAID THE OIL WAS CHANGED AT THIS TIME. RESAMPLE IN 500 HRS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	04-Jun-25	31-May-23	28-Dec-21	17-Aug-21
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	9.546	10.20	10.6	10.7

INFRARED (UFM) ASTM E2412

ST	Soot	0	0	0	0
OXI	Oxidation	3	5	5	4
SUL	Sulfate By-Product	12	14	15	14
	Sulfur Products	12	14	15	14
NIT	Nitration	0	0	5	5

WATER

W	Water	N	N	N	N
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ANTIFREEZE

A	Antifreeze	N	N	N	N
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CLEANLINESS

04-Jun-25 31-May-23 28-Dec-21 17-Aug-21

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	24/24/17	21/21/20	21/20/17	20/17/13
4μ	4μ	157115	16061	17396	9839
6μ	6μ	80600	12949	5838	1023
10μ	10μ	6750	9141	2052	150
14μ	14μ	880	7095	1162	71
18μ	18μ		5765	730	47
21μ	21μ	145	4950	531	37
38μ	38μ	10	1887	109	15
50μ	50μ		1053	53	11