

ENGINE FRONT

EQUIP NUM: 0680

SERIAL NUMBER: AXF00680

E250-56035-1108

SHOP JOB NUM : SUMMER

FIELD

SAMPLE SHIP TIME (days) : 16

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 04-Feb-26

CAT 627G

No Action Required

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

Interp By: Getnet Abayle

Interpreted On: 06-Feb-26

SAMPLE INFORMATION

	19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
Sample Id	E250-56035-1108	E250-55317-1151	E250-55267-1148	E250-55211-1049
Lab Date	04-Feb-26	13-Nov-25	24-Sep-25	30-Jul-25
Meter [Hr]	23526	23285	23037	22809
Comp Meter [Hr]	23526	23285	23037	22809
Meter On Fluid	260	241	231	237
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

	19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	13.94	13.58	13.51	13.81

INFRARED (UFM) ASTM E2412

ST	Soot	80	49	41	56
OXI	Oxidation	10	10	10	14
SUL	Sulfate By-Product	19	18	18	20
NIT	Nitration	0	0	0	0

WEAR LEVELS / ADDITIVES

19-Jan-26 06-Nov-25 15-Sep-25 25-Jul-25

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

Cu	Copper	10	3	2	8
Fe	Iron	22	15	16	28
Cr	Chromium	0	0	0	0
Al	Aluminum	1	1	2	2
Pb	Lead	1	2	1	2
Sn	Tin	0	0	1	0
Si	Silicon	4	3	4	3
Na	Sodium	0	0	3	1
K	Potassium	2	1	2	1
Mo	Molybdenum	4	13	22	75
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ca	Calcium	2432	2392	2355	2238
P	Phosphorus	989	944	1006	1086
Zn	Zinc	1053	1127	1149	1214
Mg	Magnesium	32	73	47	49
B	Boron	5	13	17	45

WATER

W	Water	N	N	N	N
---	-------	---	---	---	---

ANTIFREEZE

A	Antifreeze	N	N	N	N
---	------------	---	---	---	---

FUEL

F	Fuel	N	N	N	N
---	------	---	---	---	---

TRANSMISSION POWER

SHIFT REAR

E250-58071-3007

SHOP JOB NUM :

SUMMERFIELD

SAMPLE SHIP TIME (days) : 23

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 12-Mar-26

EQUIP NUM: 0680

CAT 627G

SERIAL NUMBER: AXF00680

No Action Required

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

Interp By: Getnet Aboyle

Interpreted On: 13-Mar-26

SAMPLE INFORMATION

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
Sampled Date	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
Sample Id	E250-56071-3007	E250-55147-3040	E250-53038-3003	E250-52068-3013
Lab Date	12-Mar-26	27-May-25	07-Feb-23	09-Mar-22
Meter [Hr]	23621	22543	20322	18820
Comp Meter [Hr]	23621	22543	20322	18820
Meter On Fluid	1028	1432	1500	3019
Fluid Brand				
Fluid Weight	30	30	30	30
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

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
V100 Viscosity at 100 C	10.36	9.2	9.300	8.700

INFRARED (IR) ASTM E2412

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
ST Soot	0	0	0	0
OXI Oxidation	7	3	3	4
SUL Sulfate By-Product	19	13	11	13
Sulfur Products	19	13	11	13
NIT Nitration	0	0	0	5

WEAR LEVELS / ADDITIVES

17-Feb-26 21-May-25 27-Jan-23 01-Mar-22

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

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
Cu Copper	3	4	882	43
Fe Iron	20	6	10	27
Cr Chromium	0	0	0	0
Al Aluminum	0	2	0	2
Pb Lead	1	0	1	0
Sn Tin	1	0	0	1
Si Silicon	13	8	14	7
Na Sodium	2	6	20	4
K Potassium	3	8	17	2
Mo Molybdenum	6	5	4	1
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ca Calcium	2480	2655	2614	2648
P Phosphorus	865	1018	891	915
Zn Zinc	1043	1164	1091	1093
Mg Magnesium	50	54	22	18
B Boron	6	12	15	2

WATER

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
W Water	N	N	N	N

ANTIFREEZE

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
A Antifreeze	N	N	N	N

CLEANLINESS

17-Feb-26 21-May-25 27-Jan-23 01-Mar-22

PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406

ISO	ISO Code Rating	22/20/16	21/18/15	22/21/17
4μ	4μ	34350	12175	28543
6μ	6μ	5475	1930	14010
10μ	10μ	835	375	3332
14μ	14μ	440	190	1245
18μ	18μ			562
21μ	21μ	170	60	339
38μ	38μ	40	30	61
50μ	50μ			36

TRANSMISSION POWER

SHIFT FRONT

E250-56071-3003

SHOP JOB NUM :

SUMMERFIELD

SAMPLE SHIP TIME (days) : 23

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 12-Mar-26

EQUIP NUM: 0680

CAT 827G

SERIAL NUMBER: AXF00680

 No Action Required

Interp By: Getnet Aboye

Interpreted On: 13-Mar-26

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

SAMPLE INFORMATION

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
Sample Id	E250-56071-3003	E250-55147-3042	E250-53038-3005	E250-52068-3016
Lab Date	12-Mar-26	27-May-25	07-Feb-23	09-Mar-22
Meter [Hr]	23621	22543	20322	18820
Comp Meter [Hr]	23621	22543	20322	18820
Meter On Fluid	1078	1432	1500	3019
Fluid Brand				
Fluid Weight	30	30	30	30
Fluid Type				
Fluid Change	Y	Y	U	Y
Filter Change	Y	Y	U	Y
Kidney Loop	U	U	U	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

IRON IS ELEVATED. POSSIBLE GEARS, FRICTION DISKS, AND WET CLUTCH MATERIAL. INSPECT SYSTEM. RESAMPLE AT 250 HOURS.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
VISCOSITY (CENTISTOKES) ASTM D446				
V100 Viscosity at 100 C	10.46	10.9	10.10	8.900

INFRARED (UEM) ASTM E2412

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
ST Soot	0	0	0	0
OXI Oxidation	6	4	4	4
SUL Sulfate By-Product	18	13	13	13
Sulfur Products	18	13	13	13
NIT Nitration	0	0	0	5

WEAR LEVELS / ADDITIVES

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
ELEMENTAL ANALYSIS (PPM) ASTM D6185 (OIL) / ASTM D6130 (COOLANT)				
Cu Copper	7	23	48	104
Fe Iron	7	24	16	20
Cr Chromium	0	0	0	0
Al Aluminum	0	2	1	1
Pb Lead	4	12	35	73
Sn Tin	0	0	2	2
Si Silicon	12	8	11	7
Na Sodium	0	3	5	8
K Potassium	0	2	5	8
Mo Molybdenum	3	2	2	1
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ca Calcium	2506	2800	3048	2257
P Phosphorus	889	992	953	885
Zn Zinc	1090	1133	1245	1036
Mg Magnesium	35	21	18	19
B Boron	4	4	4	5

WATER

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
W Water	N	N	N	N

ANTIFREEZE

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
A Antifreeze	N	N	N	N

CLEANLINESS

	17-Feb-26	21-May-25	27-Jan-23	01-Mar-22
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406				
ISO ISO Code Rating	22/20/17	22/20/15	23/21/17	21/19/15
4µ 4µ	26620	32535	48999	17094
6µ 6µ	7160	5375	15536	3274
10µ 10µ	1810	730	2442	766
14µ 14µ	815	280	1101	290
18µ 18µ			727	135
21µ 21µ	385	105	567	87
38µ 38µ	75	25	102	23
50µ 50µ			41	14

ENGINE REAR

EQUIP NUM: 0680

SERIAL NUMBER: AXF00680

E250-56035-1105

SHOP JOB NUM : SUMMER

FIELD

SAMPLE SHIP TIME (days) : 16

SAVERY CREEK

ENTERPRISES

RECEIVED DATE: 04-Feb-26

CAT 827G

Monitor Compartment



SODIUM AND POTASSIUM ARE SLIGHTLY ELEVATED, THIS MAY BE COOLANT CONTAMINATION. NO ABNORMAL WEAR SUSPECTED. OTHER RESULTS ARE ACCEPTABLE. HAS THIS UNIT BEEN USING/ LOSING COOLANT? LEVEL OF SODIUM AND POTASSIUM SUGGESTS THAT IF IT IS CONTAMINATION, IT IS MINIMAL. MONITOR FLUID LEVELS, ENGINE TEMP AND OIL PRESSURE AS A PRECAUTION AND RESAMPLE IN HALF THE NORMAL INTERVAL.

Interp By: Getnet Aboyle
Interpreted On: 06-Feb-26

SAMPLE INFORMATION

	19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
Sampled Date	19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
Sample Id	E250-56035-1105	E250-55317-1153	E250-55267-1147	E250-55211-1023
Lab Date	04-Feb-26	13-Nov-25	24-Sep-25	30-Jul-25
Meter [Hr]	23526	23285	23037	22809
Comp Meter [Hr]	23526	23285	23037	22809
Meter On Fluid	260	241	231	237
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

POTASSIUM IS SLIGHTLY ELEVATED, THIS MAY BE COOLANT CONTAMINATION. NO ABNORMAL WEAR SUSPECTED. OTHER RESULTS ARE ACCEPTABLE. LEVEL OF POTASSIUM SUGGESTS THAT IF IT IS CONTAMINATION, IT IS MINIMAL. MONITOR FLUID LEVELS, COMPARTMENT TEMP AND OIL PRESSURE AS A PRECAUTION AND RESAMPLE IN HALF THE NORMAL INTERVAL.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

		19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
VISCOSITY (CENTISTOKES) ASTM D445					
V100	Viscosity at 100 C	13.66	13.54	13.30	13.33

INFRARED (UFM) ASTM E2412

		19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
ST	Soot	62	55	55	63
OXI	Oxidation	10	10	11	12
SUL	Sulfate By-Product	20	19	19	20
NIT	Nitration	0	0	0	0

WATER

		19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
W	Water	N	N	N	N

FUEL

		19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
F	Fuel	N	N	N	N

WEAR LEVELS / ADDITIVES

		19-Jan-26	06-Nov-25	15-Sep-25	25-Jul-25
ELEMENTAL ANALYSIS (PPM) ASTM D6186 (OIL) / ASTM D6130 (COOLANT)					
Cu	Copper	12	14	32	133
Fe	Iron	33	24	24	27
Cr	Chromium	1	1	0	1
Al	Aluminum	2	3	2	3
Pb	Lead	1	1	1	2
Sn	Tin	0	0	0	0
Si	Silicon	7	7	6	7
Na	Sodium	26	23	19	40
K	Potassium	88	73	32	44
Mo	Molybdenum	9	10	22	53
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	1
Ca	Calcium	2650	2616	2537	2339
P	Phosphorus	970	904	964	968
Zn	Zinc	1098	1145	1191	1178
Mg	Magnesium	45	38	52	59
B	Boron	4	5	10	21