

Customer Information

SILVERADO SITE SERVICES - PME

Attention : Jason Tharp
 Phone :
 Fax :

Equipment Information

Unit # : 889-002
 Component : COOLANT
 Location :
 Unit Mfr/Model : CATERPILLAR CC4.0
 Unit Serial # : CAT0CC40L65000120
 Comp Mfr/Model :
 Comp Serial # :
 Site Location :

Coolant

Manufacturer :
 Brand :
 Grade :
 Sample # : 2026/05/25-8
 Lab Tracking # : 59JE - 69058

V21-2
 Jun

FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

Coolant Analysis

4371 Savaryn Drive SW, Edmonton
 Alberta, Canada, T6X 2E8
 Phone: 877 962 2400
 Web: www.fluidlife.com

Sample Information

Sample Date	Sample No.	Coolant Changed	Comp. Service	Oil Service	Units	Refractive Index	% Glycol	Freeze Point (°C)	Boiling Point (°C)	ph	Conductivity (µS/cm)
	Ref. Sample										
2026/05/21	2026/05/25-8	N	-1675			1.3885	53.0	-41	107	7.31	3269

Physical Tests

Appearance Tests

Sample Date	Color	Odor	Clarity	Precipitate	Magnetic Precipitate	Nitrites ppm
Mfg Typical						
2026/05/21	Red	GD	CLR	TRACE	N	

Additives

Results

2026/05/21 Coolant is acceptable for use.
 This sample of coolant is clear and bright.
 Trace levels of precipitates were observed in this sample.

Recommendations

2026/05/21 Resample next interval to monitor.

Key: Y - Yes N - Negative P - Positive R - Reportable S - Severe I - Insufficient Sample > - More Than < - Less Than ~ - Lab Estimated ▲ - Updated

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Glossary

There are three different types of coolant on the market today. The traditional coolant uses inorganic acid technology. Organic acid technology (OAT) coolants have a longer life and use organic acids as inhibitors. The third type is a hybrid and uses both organic and inorganic acid inhibitors. As a rule of thumb, the different types should not be mixed as the additives may react and the coolant lose its properties.

Freeze Point - This indicates the temperature at which the coolant mixture will freeze.

Boiling Point - This is the temperature where the coolant will start boiling. Boiling will dramatically reduce the heat transfer properties of the coolant.

pH - This is an indication of the acidity/alkalinity of the coolant. The pH ranges depend on the type of coolant used.

Conductivity - This is measured in microsiemens per centimeter and as the value increases, there is a greater chance that current can be transmitted through the coolant. This can destroy the effectiveness of the inhibitors. In extreme cases, this will accelerate corrosion and/or pitting.

Nitrites - These are inhibitors that are sometimes used to prevent iron corrosion and cavitation.

Reserve Alkalinity - This is a measure of how much buffer is still available in the coolant. Note that the pH of a coolant will not change much until the buffer package is depleted. This is an optional additional test. If you would like to perform this test please contact your Account Manager or Customer Care at customercare@fluidlife.com

Appearance Test - A coolant should be clear with no distinctive odor or precipitate.

For further information, please see the Coolant Interpretation guide available from Fluid Life.

Abbreviations

Odor

NH4 - Ammonia

BUR - Burnt odor

FUN - Fungal odor

FUE - Diesel fuel

SOL - Solvent

GD - Good, acceptable

Clarity

CLR - Clear

CLD - Cloudy

HAZ - Hazy

Precipitate

FLU - Fluffy

CHU - Chunks

N - Negative

DIR - Dirt

FLA - Flakes

SLU - Sludge

TRACE Trace

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Unit Serial # : CAT0CC40L65000120
Comp Mfr/Model : CATERPILLAR / cc4.0
Comp Serial # : CAT0CC40L65000120

Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-28
Lab Tracking # : 59CE - 69090

FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

Oil Analysis

4371 Savaryn Drive SW, Edmonton
Alberta, Canada T6X 2E8
Phone: 877 962 2400

Sample Number	Sample Date	Wear Metals ppm														Additives ppm							
		Aluminium	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
05/25-028	2026/05/21	1	15	0	0	0	0	0	0	0	0	0	0	0	0	952	1036	962	776	52	2	0	0

Sample Information								Contaminants ppm			Physical Tests			
Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Component Service	Oil Service	Units	Oil Chg	Sodium	Potassium	Silicon	Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water
2026/05/21				~1675			N	1	1	5		12.97		N

Results

2026/05/21 Tested wear and contamination levels are within acceptable limits.

Recommendations

2026/05/21 Resample next interval to monitor.

Key: Y - Yes N - Negative P - Positive R - Reportable U - Unacceptable S - Severe I - Insufficient Sample - Data could not be provided NT - Not Triggered - Updated ~ - Lab Estimated

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Component : ENG./COMP.
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Unit Serial # : CAT0CC40L65000120
Comp Mfr/Model : CATERPILLAR / cc4.0
Comp Serial # : CAT0CC40L65000120

Lubricant

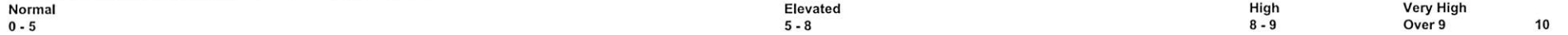
Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-28
Lab Tracking # : 59CE - 69090

Trend Analysis

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Alberta, Canada T6X 2E8
Phone: 877 962 2400

Your Sample Rank

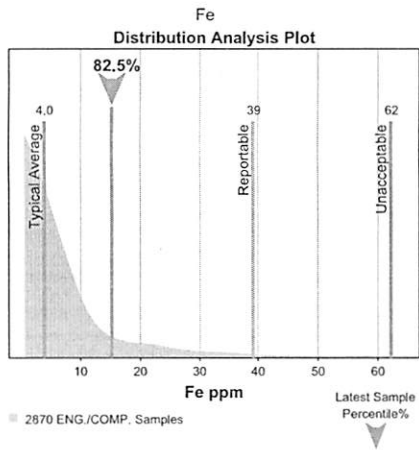
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Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

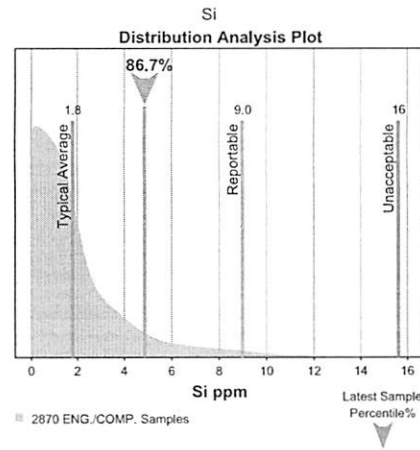
Top Trends Analysis

Fe Test Rank 4.0



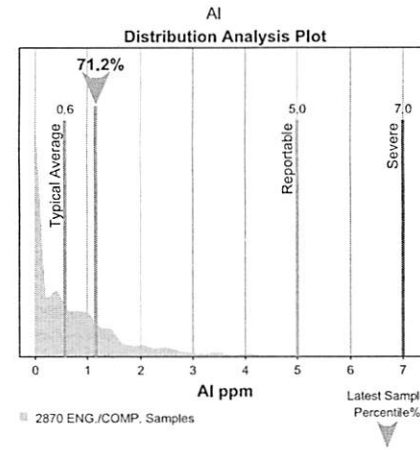
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Si Test Rank 3.2



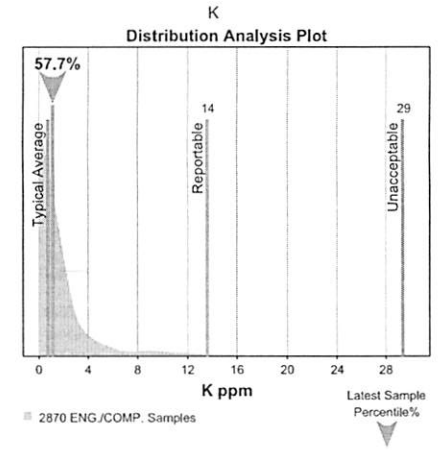
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Al Test Rank 0.5



No trend analysis available.

K Test Rank 0.2



No trend analysis available.

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Component : HYDRAULIC
Location :
Unit Mfr/Model : CATERPILLAR / CC4.0
Unit Serial # : CAT0CC40L65000120
Comp Mfr/Model :
Comp Serial # :

Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-20
Lab Tracking # : 59JV - 69138



Oil Analysis

4371 Savaryn Drive SW, Edmonton
Alberta, Canada T6X 2E8
Phone: 877 962 2400

Sample		Wear Metals ppm														Additives ppm							
Sample Number	Sample Date	Aluminium	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Ref. Sample																							
05/25-020	2026/05/21	2	20	4	0	0	0	0	0	0	0	0	0	0	0	1903	890	803	11	10	8	0	0

Sample Information								Contaminants ppm			Physical Tests			
Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Component Service	Oil Service	Units	Oil Chg	Sodium	Potassium	Silicon	Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water
Ref. Sample														
2026/05/21				-1675			N	3	4	3		7.58		N

Results

2026/05/21 Tested wear and contamination levels are within acceptable limits.

Recommendations

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Lubricant

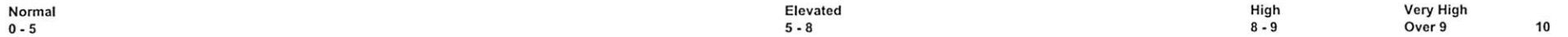
Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-20
Lab Tracking # : 59JV - 69138

Trend Analysis

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Your Sample Rank

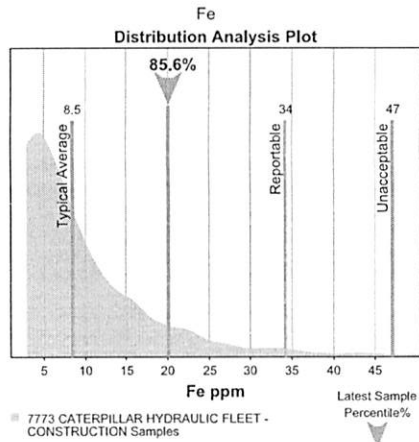
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Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

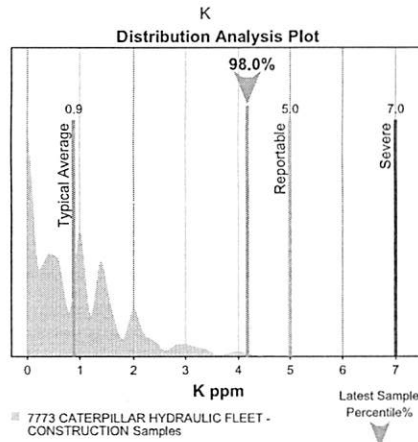
Top Trends Analysis

Fe Test Rank 4.4



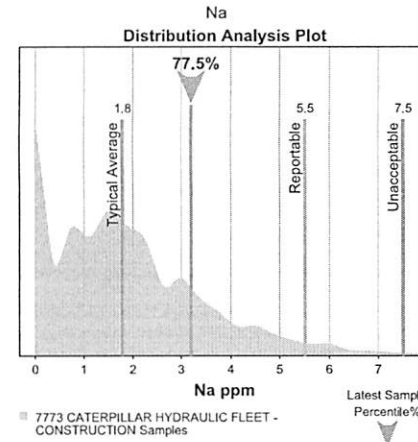
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K Test Rank 3.7



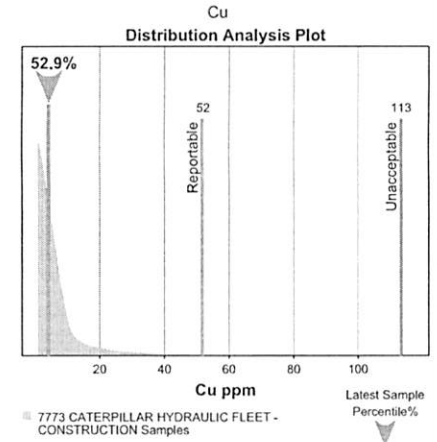
No trend analysis available.

Na Test Rank 1.6



No trend analysis available.

Cu Test Rank 0.6



No trend analysis available.