

Customer Information

SILVERADO SITE SERVICES - PME

Attention : Jason Tharp
 Phone :
 Fax :

Equipment Information

Unit # : 889-034
 Component : COOLANT
 Location :
 Unit Mfr/Model : DYNAPAC CC4200
 Unit Serial # : 10000346KHA020051
 Comp Mfr/Model : DYNAPAC CC4200
 Comp Serial # :
 Site Location :

Coolant

Manufacturer :
 Brand :
 Grade :
 Sample # : 2026/05/25-45
 Lab Tracking # : 59K1 - 69072

V21-8
 Jw

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
2026/05/21	2026/05/25-45	N	~1503		

Physical Tests

Refractive Index	% Glycol	Freeze Point (°C)	Boiling Point (°C)	ph	Conductivity (µS/cm)
1.3933	58.0	-49	108	7.98	3072

Appearance Tests

Sample Date	Color	Odor	Clarity	Precipitate	Magnetic Precipitate
2026/05/21	Orange	GD	CLR	TRACE	N

Additives

Nitrites ppm

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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Component : ENGINE
Location :
Unit Mfr/Model : DYNAPAC / CC4200
Unit Serial # : 10000346KHA020051
Comp Mfr/Model : CUMMINS / QSF3.8
Comp Serial # :

Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-19
Lab Tracking # : 59PF - 69201



EQUIPMENT RELIABILITY SERVICES

Oil Analysis

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Sample		Wear Metals ppm														Additives ppm							
Sample Number	Sample Date	Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Ref. Sample																							
05/25-019	2026/05/21	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1217	1337	1300	1026	67	5	0	0

Sample Information								Contaminants ppm			Physical Tests						Additional 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	Glycol %	Fuel %	Soot %	NIT (DT) (Abs/0.1mm)	OX (DT) (Abs/0.1mm)	
Ref. Sample																				
2026/05/21				~1503			N	1	2	5		14.24		N	NT	NT	<0.10	6.07	17.3	

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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Comp Serial # :

Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-19
Lab Tracking # : 59PF - 69201

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EQUIPMENT RELIABILITY SERVICES

Trend Analysis

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Additional Tests

Sul (DT)
(Abs/0.1mm)

19.9

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Lubricant

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Trend Analysis

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Your Sample Rank

0.0

Normal
0 - 5

Elevated
5 - 8

High
8 - 9

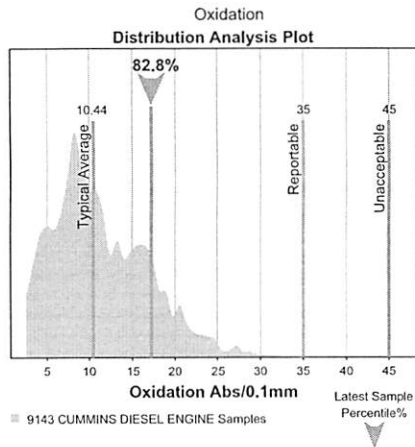
Very High
Over 9

10

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

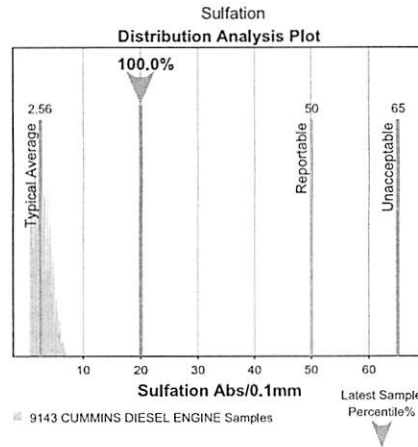
Top Trends Analysis

Oxidation Test Rank 4.1



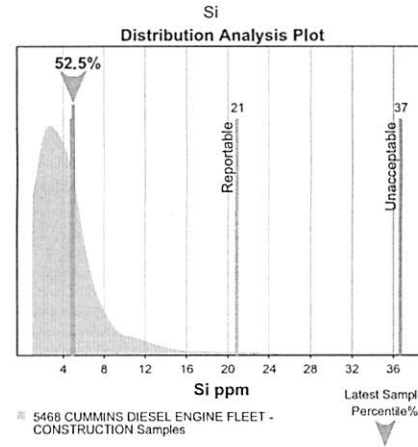
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Sulfation Test Rank 3.2



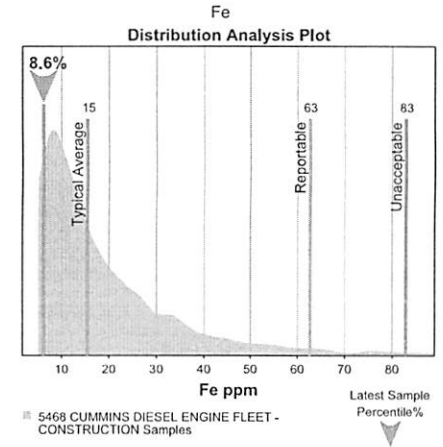
No trend analysis available.

Si Test Rank 0.7



No trend analysis available.

Fe Test Rank 0.2



No trend analysis available.

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Unit Serial # : 10000346KHA020051
Comp Mfr/Model : DYNAPAC / CC4200
Comp Serial # :

Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-17
Lab Tracking # : 59U4 - 69084

FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

Oil Analysis

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Sample		Wear Metals ppm														Additives ppm							
Sample Number	Sample Date	Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Ref. Sample																50	433	341	2	0	0	0	0
05/25-017	2026/05/21	0	5	6	2	0	0	0	0	0	0	0	0	0	0	50	433	341	2	0	0	0	0

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Component Service	Oil Service	Units	Oil Chg
Ref. Sample							
2026/05/21				-1503			N

Contaminants ppm

Sodium	Potassium	Silicon
Ref. Sample		
0	0	0

Physical Tests

Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water
Ref. Sample			
9.59			N

Results

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

Recommendations

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Lubricant

Manufacturer :
Brand :
Grade :
Sample # : 2026/05/25-17
Lab Tracking # : 59U4 - 69084

Trend Analysis

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Your Sample Rank

0.0

Normal
0 - 5

Elevated
5 - 8

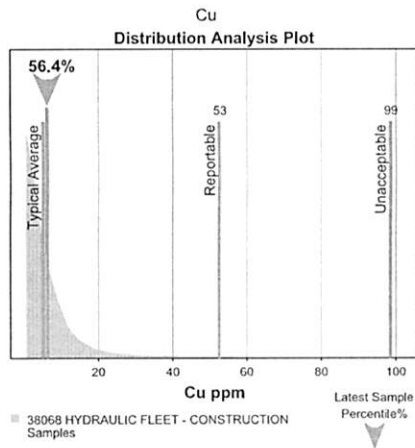
High
8 - 9

Very High
Over 9
10

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

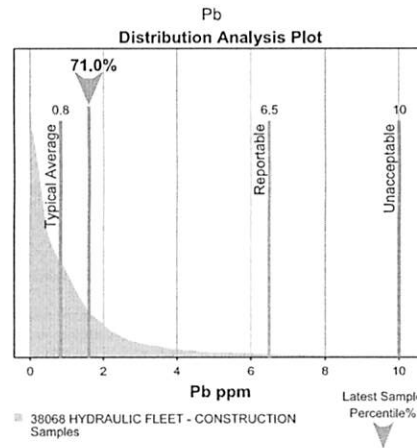
Top Trends Analysis

Cu Test Rank 1.1



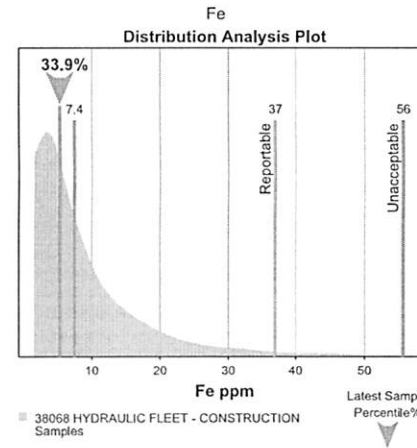
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Pb Test Rank 0.6



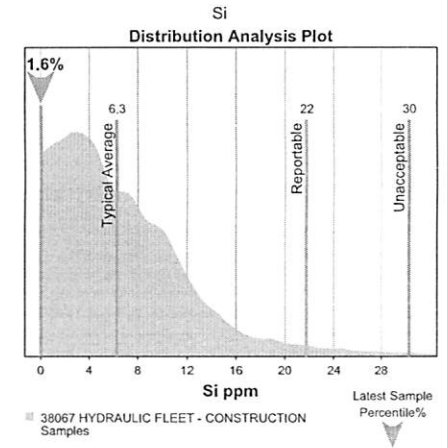
No trend analysis available.

Fe Test Rank 0.2



No trend analysis available.

Si Test Rank 0.0



No trend analysis available.