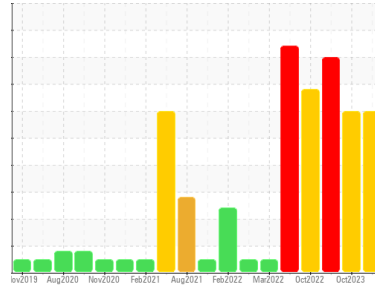




COOLANT REPORT

Sample Rating Trend



WEAR



Machine Id
SJNM03BE
 Component
Jacket Water Coolant
 Fluid
CHEVRON HEAVY DUTY PF COOLANT (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.

▲ Corrosion

The iron level is severe.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0865732	WC0865680	WC0764370
Sample Date	Client Info		28 Mar 2024	18 Oct 2023	21 Apr 2023
Machine Age	hrs	Client Info	115488	101193	97249
Oil Age	hrs	Client Info	0	3595	13219
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			SEVERE	SEVERE	SEVERE

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.057	1.058	1.061
pH	Scale 0-14	ASTM D1287 10.5	7.95	7.83	▲ 7.83
Nitrites	ppm	AP-053:2009 >800	1052	1352	1012
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 50	42.1	42.7	45.3
Freezing Point	°F	ASTM D3321 -37	-17	-17	-24
Total Dissolved Solids			166.5	200.0	224.0
Carboxylate			n/a	n/a	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	48	40	56
Phosphorus	ppm	ASTM D6130 0	0	8	0
Boron	ppm	ASTM D6130	318	286	601
Molybdenum	ppm	ASTM D6130	225	217	254

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	▲ 27	▲ 26	▲ 30
Aluminum	ppm	ASTM D6130 >10	1	4	<1
Copper	ppm	ASTM D6130 >10	2	3	5
Lead	ppm	ASTM D6130 >10	<1	0	<1
Tin	ppm	ASTM D6130 >10	0	0	<1
Zinc	ppm	ASTM D6130	2	3	8

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	23	6	17

CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	2015	1792	3050
Potassium	ppm	ASTM D6130	39	5	28

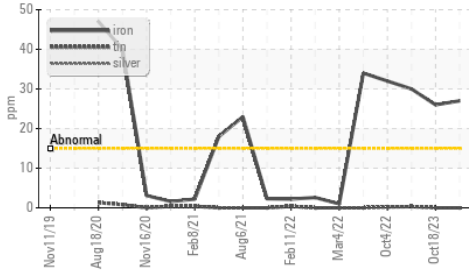
SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	<1	1	3
Magnesium	ppm	ASTM D6130	0	2	<1

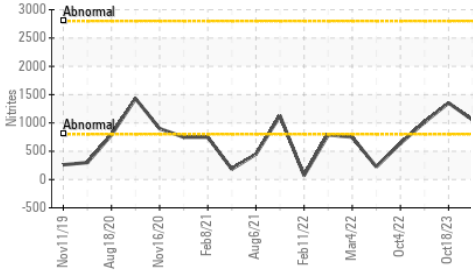


COOLANT REPORT

▲ Iron/Tin/Silver



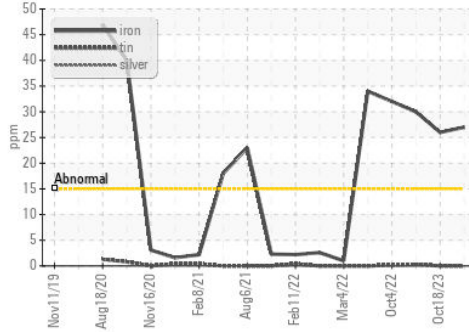
Nitrites



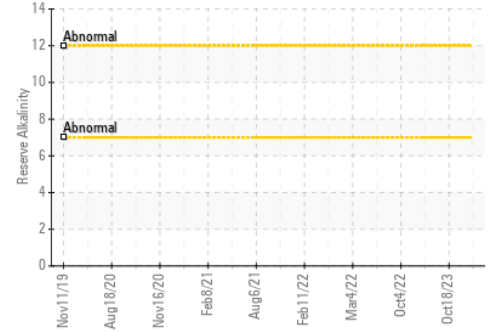
VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Grn/Prpl	Red	Red	Yellow
Coolant Appearance	*Visual	Clear	normal	normal	▲ sediment
Color					
Bottom					

GRAPHS

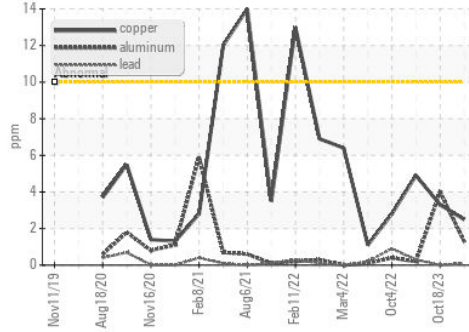
▲ Iron/Tin/Silver



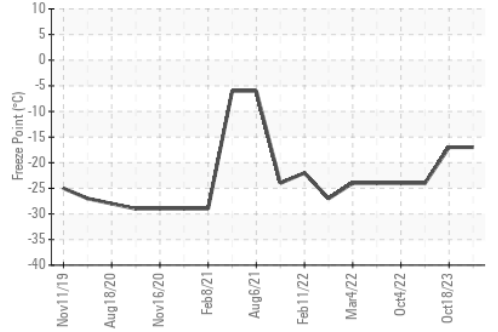
Reserve Alkalinity



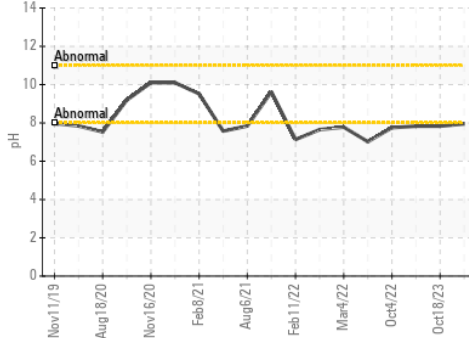
Copper/Aluminum/Lead



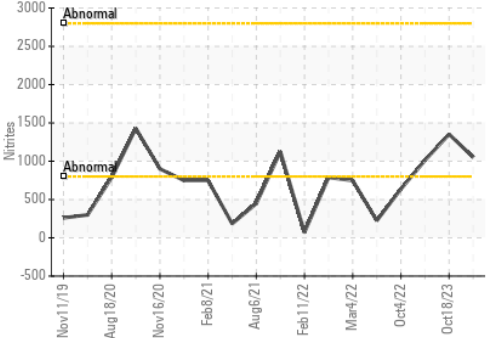
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0865732
Lab Number : 06135413
Unique Number : 10954878
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 01 Apr 2024
Tested : 04 Apr 2024
Diagnosed : 04 Apr 2024 - Jonathan Hester

EDL NA Recips-South Jordan
 South Jordan Powerstation, 10473 S. Bacchus Hwy.
 South Jordan, UT
 US 84095
 Contact: Aaron Klein
 aaron.klein@edlenergy.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: