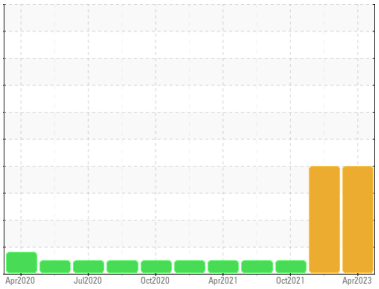
COOLANT REPORT

Sample Rating Trend



SCAS

Machine Id
LIDM04BE (S/N GZJ00279)
Component
Jacket Water Coolant
Fluid
CHEVRON HEAVY DUTY PF COOLANT (2000 LTR)

DIAGNOSIS

▲ Recommendation

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

Corrosion

Les concentrations de tous les métaux sont normales indiquant qu'il n'y a pas de corrosion dans le système de refroidissement.

Contaminants

Il n`y a aucun indice de contamination dans l`agent de refroidissement.

▲ Coolant Condition

La réserve d`alcalinité de ce fluide est anormalement basse. Le bas niveau de nitrites indique une réduction de la protection contre la cavitation qui peut entraîner de la corrosion et la formation d'ammoniaque. Le pH est bas et peut entraîner la formation de rouille.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0772252**	WC0661852	WC0625767
Sample Date		Client Info		**25 Apr 2023**	10 May 2022	22 Oct 2021
Machine Age	hrs	Client Info		**43283**	74295	70128
Oil Age	hrs	Client Info		**43283**	74295	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	NORMAL

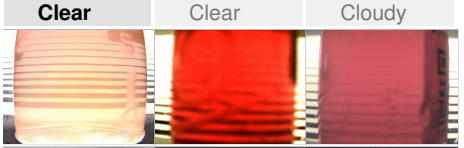
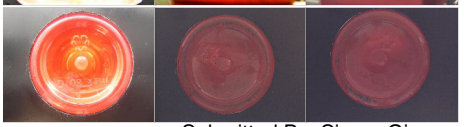
PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	1.065	**1.063**	1.064	1.066
pH	Scale 0-14	ASTM D1287*	10.5	▲ **7.74**	▲ 7.16	7.63
Nitrites	ppm	Alcan Test Kit*	1600	▲ **600**	▲ 800	1160
Reserve Alkalinity	Scale 0-20	ASTM D1121*	10.5	▲ **3.3**	▲ 2.4	3.1
Percentage Glycol	%	ASTM D3321*	50	**46.7**	47.5	49.0
Freezing Point	°C	ASTM D3321*	-37	**-26**	-28	-35
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	1000	**54**	51	15
Phosphorus	ppm	ASTM D5185(m)	0	**19**	14	4
Boron	ppm	ASTM D5185(m)		**381**	408	359
Molybdenum	ppm	ASTM D5185(m)		**231**	247	226

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**1**	1	<1
Aluminum	ppm	ASTM D5185(m)	>10	**3**	3	2
Copper	ppm	ASTM D5185(m)	>10	**4**	2	<1
Lead	ppm	ASTM D5185(m)	>10	**0**	1	<1
Tin	ppm	ASTM D5185(m)	>10	**0**	<1	0
Silver	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Zinc	ppm	ASTM D5185(m)		**1**	2	<1

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**2063**	1721	1787
Potassium	ppm	ASTM D5185(m)		**50**	52	38

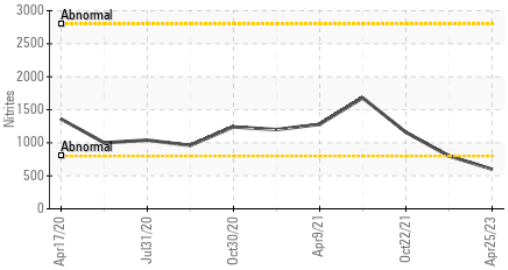
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**4**	12	1
Magnesium	ppm	ASTM D5185(m)	>40	**2**	2	1
Hardness	mg/L CaCO3	In-house*	<75	**20**	38	---

VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Purple	**Pink**	Pink	Pink
Coolant Appearance		Visual*	Clear	**Clear**	Clear	Cloudy
Color						
Bottom						

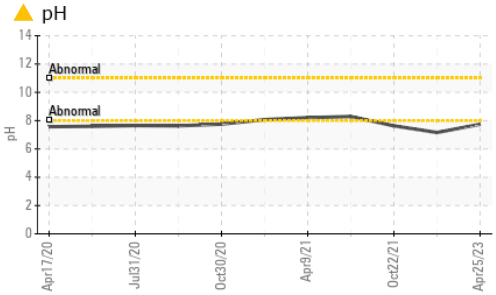
COOLANT REPORT

GRAPHS

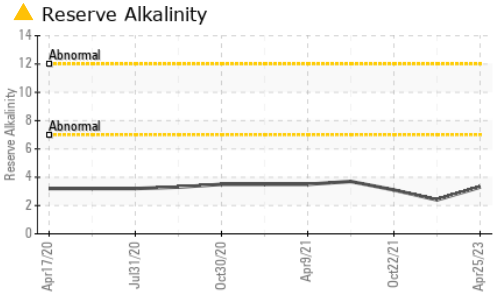
Nitrites



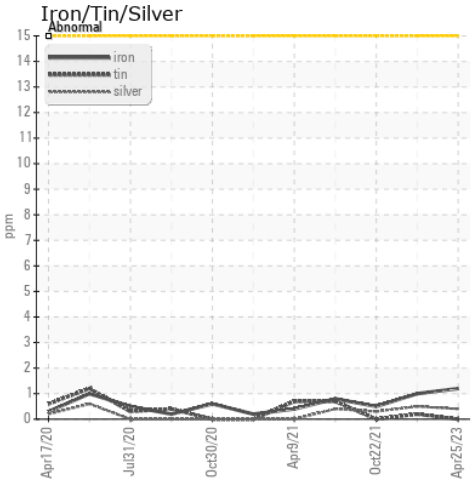
pH



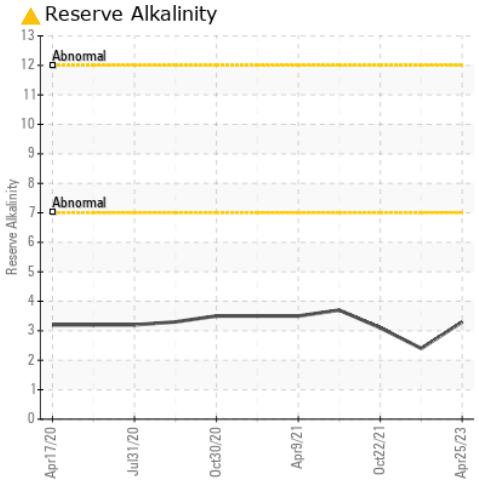
Reserve Alkalinity



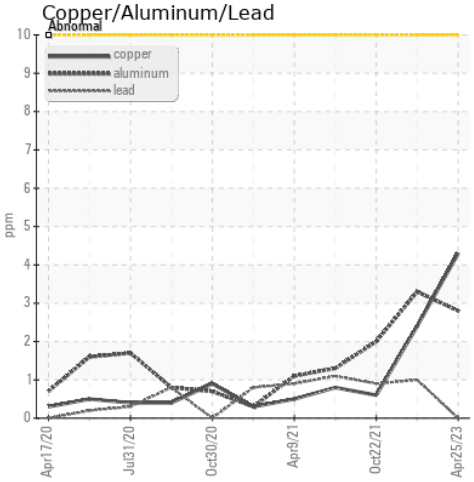
Iron/Tin/Silver



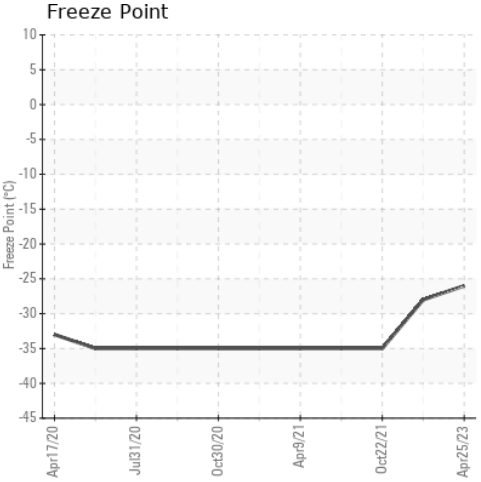
Reserve Alkalinity



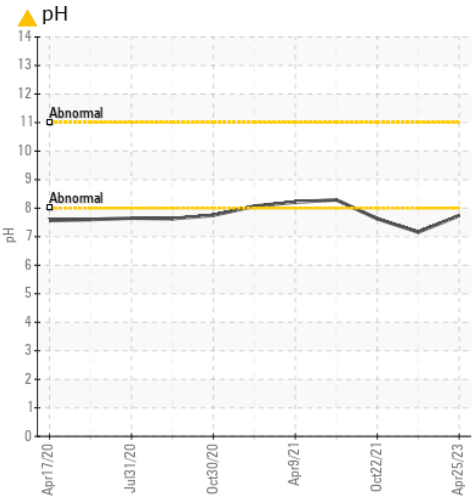
Copper/Aluminum/Lead



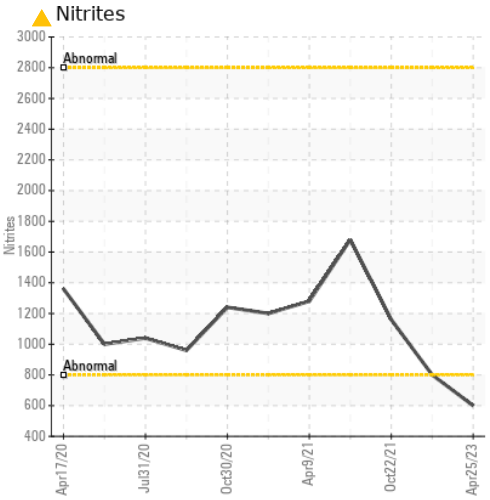
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0772252	**Received**	: 27 Apr 2023
Lab Number	: 02553986	**Diagnosed**	: 27 Apr 2023
Unique Number	: 5567001	**Diagnostician**	: Kevin Marson
Test Package	: COOL		

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

EDL NA Recips-Lydia
6985 CHEMIN DES SOURCES
LACHUTE, QC
CA J8H 2C5
Contact: Eloi Legault
eloi.legault@energydi.com
T: (450)526-4001
F: