



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL

Area

[6100298955]

Machine Id

OLYMPIAN ANAT00209

Component

Coolant

Fluid

DETROIT DIESEL POWER COOL (--- GAL)

RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021686	---	---
Sample Date		Client Info		20 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

CORROSION

Iron and lead ppm levels are abnormal. The iron level is high indicating rust in the system which clogs the cooling system. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	▲ 72	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>10	0	---	---
Lead	ppm	ASTM D5185(m)	>10	▲ 93	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Silver	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)	>10	4	---	---

CONTAMINANTS

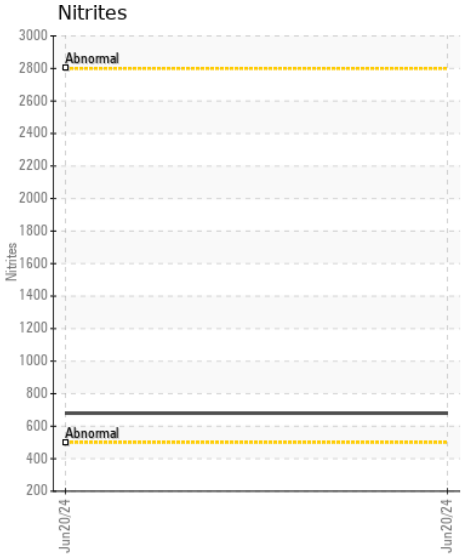
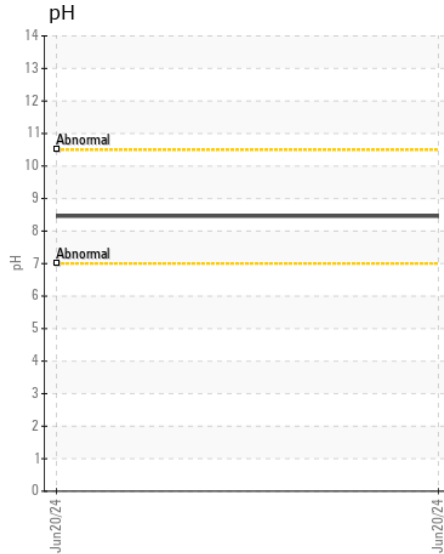
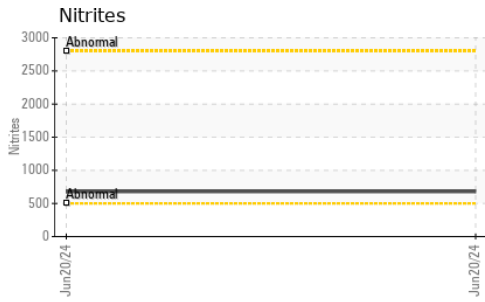
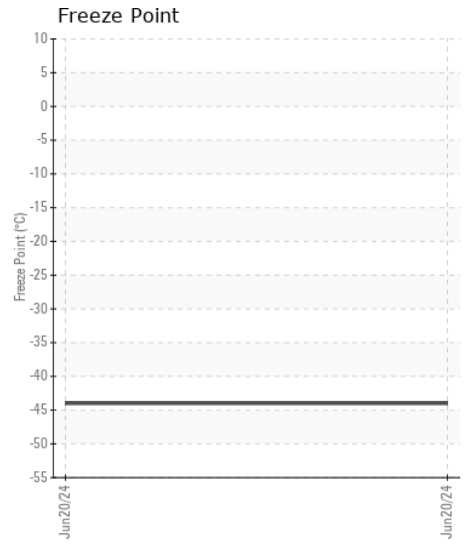
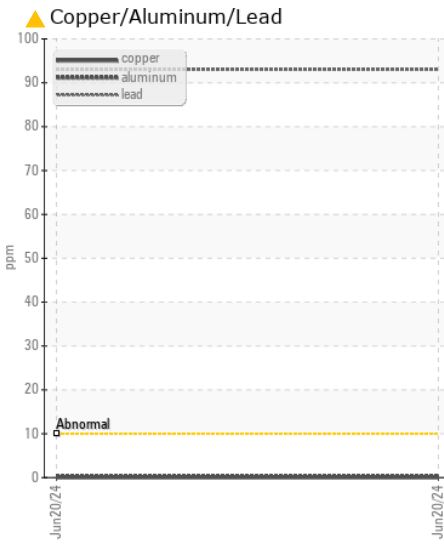
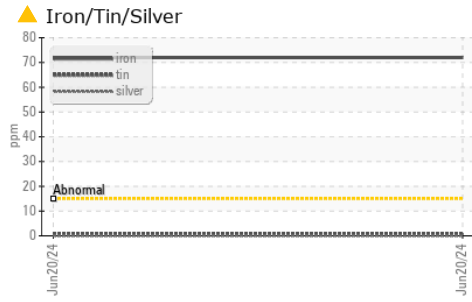
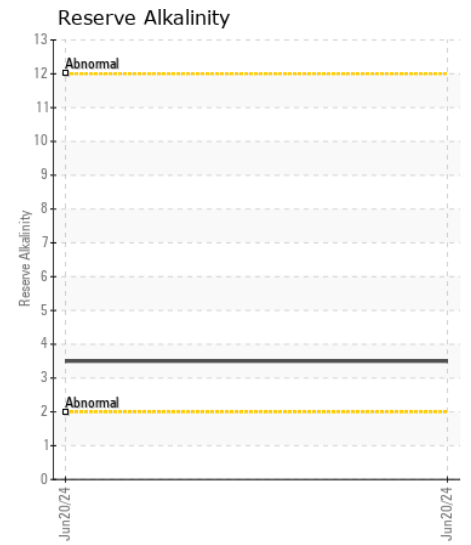
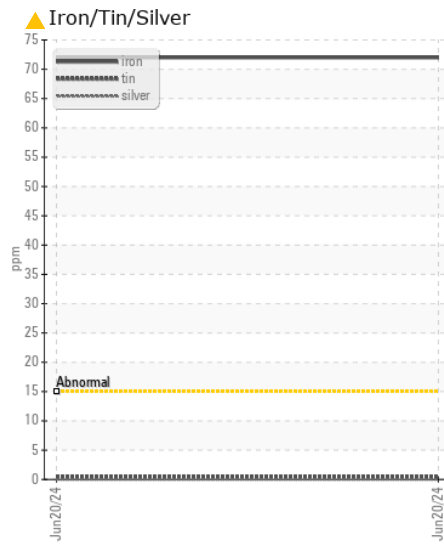
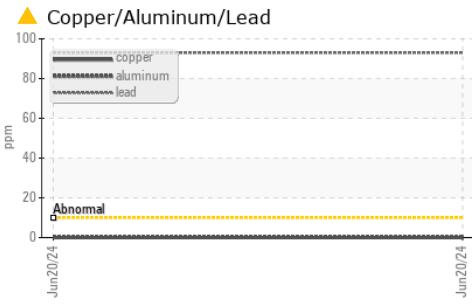
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	5	---	---
Magnesium	ppm	ASTM D5185(m)	>40	2	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	Cloudy	---	---

COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.074	---	---
pH	Scale 0-14	ASTM D1287*	9.5	8.46	---	---
Nitrites	ppm	Alcan Test Kit*	500	680	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.5	---	---
Percentage Glycol	%	ASTM D3321*	50	55.1	---	---
Freezing Point	°C	ASTM D3321*	-40	-44	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)	150	55	---	---
Phosphorus	ppm	ASTM D5185(m)	0	23	---	---
Boron	ppm	ASTM D5185(m)	300	354	---	---
Molybdenum	ppm	ASTM D5185(m)		22	---	---
Sodium	ppm	ASTM D5185(m)		2606	---	---
Potassium	ppm	ASTM D5185(m)		84	---	---
Coolant Color		Visual*	Pink	Orange	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021686 **Received** : 26 Jun 2024
Lab Number : 02644247 **Tested** : 27 Jun 2024
Unique Number : 5801786 **Diagnosed** : 27 Jun 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, PQ)

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.

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