

COOLANT REPORT

Sample Rating Trend

WEAR

#1707 - GRAND MARAIS PUMP STATION

Coolant

HYBRID (HOAT) COOLANT (--- GAL)

DIAGNOSIS

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.

Corrosion

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Contaminants

There is no indication of any contamination in the coolant.

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.

				Nov2023		
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0876653		
Sample Date		Client Info		21 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.077		
pH	Scale 0-14	ASTM D1287*		7.94		
, Nitrites	ppm	Alcan Test Kit*		1000		
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.0		
Percentage Glycol	%	ASTM D3321*		57.8		
Freezing Point	°C	ASTM D3321*		-52		
Carboxylate						
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		30		
Phosphorus	ppm	ASTM D5185(m)		8		
Boron	ppm	ASTM D5185(m)		46		
Molybdenum	ppm	ASTM D5185(m)		<1		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0		
Aluminum	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>10	<u> </u>		
Lead	ppm	ASTM D5185(m)	>10	0		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	<1		
Zinc	ppm	ASTM D5185(m)		0		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1252		
Potassium	ppm	ASTM D5185(m)		12287		
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	3		
Magnesium	ppm	ASTM D5185(m)	>40	<1		
Hardness	mg/L CaCO3	In-house*	<75	10		
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*		Pink		
Coolant Appearance		Visual*	Clear	Clear		
Color					no image	no image
Bottom				\bigcirc	no image	no image

Contact/Location: Ken Olesen - LIGAMH



COOLANT REPORT



Contact/Location: Ken Olesen - LIGAMH