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**EQUIPMENT**

CUSTOMER EQUIP NUM : BEN00648  
SERIAL NUMBER : BEN00648  
MODEL : G3608  
MANUFACTURER : CAT  
COMPANY NAME : EOG RESOURCES CALGARY  
JOB SITE :  
AREA:  
REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : WATER JACKET  
COMP SERIAL NUM :  
COMPARTMENT MODEL :  
LABEL#: 200124956  
SHOP JOB NUM :  
SAMPLE TYPE: COOLANT  
SAMPLE SHIP TIME (days) : 12  
SAMPLE LOCATION :

**No Action  
Required**

ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.

LAB #  
N030-49351-2121  
PROCESS DATE 17-Dec-19

**CORROSION ELEMENTS - COOLANT FORMULATION**

SAMPLE DATE	SAMPLE ID	FLUID BRAND	TYPE	NO2	NO3	MoO4	SiO3	BO3	PO4	SAC	TT	K	Na	Al	Cu	Fe	Pb	Sn	Zn	Ca	Mg
05-Dec-19	N030-49351-2121			1455	558	1	46	34	6963	0	524	5495	1376	0	1	0	0	0	0	0	0
09-Jun-19	N030-49170-2118			1605	551	1122	6	0	8	0	631	5396	654	1	2	0	0	0	0	2	0
05-Jun-18	N030-48170-2110			1528	497	0	64	24	5847	0	524	4858	1165	0	1	2	0	0	0	0	0
28-Nov-17	N030-47338-2117			1551	485	0	57	16	6374	0	618	5197	1325	0	1	0	0	1	0	0	0

**FREEZE/BOIL PROTECTION - CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	TYPE	FLUID CHANGE	GL	FP	BP	pH	CON	CL	GLO	SO4	TH	Foam
05-Dec-19	N030-49351-2121	74424	74424			N	47	-34	106	7.9	3834	20	870	33	0	norm
09-Jun-19	N030-49170-2118	72498	72498			N	53	-42	108	8.0	6096	29	992	50	5	norm
05-Jun-18	N030-48170-2110	64227	64227			U	51	-38	107	8.0	5753	28	1065	51	1	norm
28-Nov-17	N030-47338-2117	59945	59945			U	52	-41	108	8.2	3986	25	978	26	2	norm

**COOLANT PHYSICALS**

SAMPLE DATE	SAMPLE ID	METER ( HR )	METER ON FLUID	FLUID BRAND	TYPE	Color	App	Odor	Oil	PAmt
05-Dec-19	N030-49351-2121	74424	74424			Green	clear	norm	none	none
09-Jun-19	N030-49170-2118	72498	72498			Green	clear	norm	none	none
05-Jun-18	N030-48170-2110	64227	64227			Green	clear	norm	none	none
28-Nov-17	N030-47338-2117	59945	59945			green/light	clear	norm	none	none

Al = Aluminum, App = Appearance, BO3 = Borate, BP = Boil Point(°C), CL = Chloride, CON = Conductivity, Ca = Calcium, Cu = Copper, FP = Freeze Point(°C), Fe = Iron, GL = Glycol, GLO = Glycolate, K = Potassium, Mg = Magnesium, MoO4 = Molybdate, NO2 = Nitrite, NO3 = Nitrate, Na = Sodium, PAmt = Precipitate Amount, PO4 = Phosphate, Pb = Lead, SAC = Sebacic Acid, SO4 = Sulfate, SiO3 = Silicate, Sn = Tin, TH = Total Hardness, TT = Tolytriazole, Zn = Zinc

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.