

**TOROMONT**

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**EQUIPMENT**

CUSTOMER EQUIP NUM : 66  
 SERIAL NUMBER : N293036  
 MODEL : ISX\_CUMMINS  
 MANUFACTURER : CUMMINS  
 COMPANY NAME : UPTIME TRUCK REPAIR  
 JOB SITE :  
 AREA:  
 REGION:

**SAMPLE INFORMATION**

COMPARTMENT NAME : ENGINE TRUCK  
 COMP SERIAL NUM :  
 COMPARTMENT MODEL :  
 LABEL#: 2508360  
 SHOP JOB NUM :  
 SAMPLE TYPE: OIL  
 SAMPLE SHIP TIME (days) : 6  
 SAMPLE LOCATION :

**Action Required**

GLYCOL/ANTIFREEZE AND A TRACE OF WATER WAS DETECTED IN THIS SAMPLE. NA AND K ARE HIGHER THAN NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. POSSIBLE CAUSES OF COOLANT CONTAMINATION ARE: BAD WATER PUMP OR SEAL, PLUGGED WATER PUMP WEEP HOLE, BAD GASKET OR SEAL, BAD HEAD GASKET, BAD OIL COOLER, OR CRACKED HEAD. RECOMMEND INVESTIGATING THE REASON FOR COOLANT ENTRY/CONTAMINATION. DRAIN, FLUSH THOROUGHLY AND REFILL. RESAMPLE AFTER POSSIBLE REPAIRS TO CONTINUE MONITORING THE SYSTEM.

LAB #

N020-47136-3132

PROCESS 16-May-17  
 DATE

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER ( KM )	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	OVERALL EVAL	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Ti	V	Mn	Ca	P	Zn	Mg	Ba	B
10-May-17	N020-47136-3132	1705781	18000	Y	Y		18	123	2	6	154	1	11	457	133	78	2	0	0	0	2	2264	1200	1410	177	1	146

**OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION**

SAMPLE DATE	SAMPLE ID	METER ( KM )	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	OVERALL EVAL	ST	OXI	SUL	NIT	W	A
10-May-17	N020-47136-3132	1705781	18000	CHEVRON	DELO	15W-40	Y	Y		50	33	33	16	T	P

A = Antifreeze, Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, K = Potassium, Mg = Magnesium, Mn = Manganese, Mo = Molybdenum, NIT = Nitration, Na = Sodium, Ni = Nickel, OXI = Oxidation, P = Phosphorus, Pb = Lead, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, V100 = Viscosity@100C, W = Water, 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.

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