

CODING CAT

CONTACT INFORMATION

BILL BECK
 TWIN CITY EXCAVATING INC
 108 26230 TWP RD 531A
 ACHESON, AB
 CA TTX 5A4
 PHONE: 7804474737
 FAX: 7804825426
 Email: BILL@TWINCITYEX.COM

Interp By: Peter Leggo

LAB #

N030-48260-0158

PROCESS DATE

17-Sep-18

EQUIPMENT

CUSTOMER EQUIP NUM : 218
 SERIAL NUMBER : K5K01835
 MODEL : 950H
 MANUFACTURER : CAT
 COMPANY NAME : TWIN CITY EXCAVATING INC
 JOB SITE :
 AREA :
 REGION :

SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE
 COMP SERIAL NUM :
 COMPARTMENT MODEL :
 LABEL#: 005025065
 SHOP JOB NUM :
 SAMPLE TYPE: OIL
 SAMPLE SHIP TIME (days) : 12
 SAMPLE LOCATION :

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

LAB #	9510	411	Y	Y	3	1	3	7	17	1	1	0	0	0	0	0	1196	1006	992	0	66	57	994
05-Sep-18	9095	500	Y	Y	2	1	4	3	19	0	1	2	0	0	0	0	1219	1457	419	0	417	83	1024
03-Sep-15	7593	460	Y	Y	3	1	3	3	9	0	<0	1	<0	<0	0	0	1282	1555	404	<0	395	86	1050
23-Mar-15	7157	525	Y	Y	6	1	3	5	9	0	2	<0	<0	<0	0	0	1123	1373	351	<0	431	81	835

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

LAB #	9510	411	Y	Y	DELO400 SY	15W-40	Y	Y	10.9	69.3	148	19	16	19	8	N	N	N	0.47
05-Sep-18	9095	500	Y	Y	DELO400 SY	15W-40	Y	Y	13.3	102.0	128	34	17	22	6	N <td>N <td>N <td></td> </td></td>	N <td>N <td></td> </td>	N <td></td>	
03-Sep-15	7593	460	Y	Y	DELO	15W-40	Y	Y	13.7	107.5		14	16	21		N <td>N <td>NT</td> <td></td> </td>	N <td>NT</td> <td></td>	NT	
23-Mar-15	7157	525	Y	Y	DELO	15W-40	Y	Y	13.2	109.2		10	18	23		N <td>N <td>NT</td> <td></td> </td>	N <td>NT</td> <td></td>	NT	

OIL CLEANLINESS

05-Sep-18	Y	Y	N
28-Sep-17	Y	Y	N
03-Sep-15	Y	Y	N
23-Mar-15	Y	Y	N

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A = Antifreeze, Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cr = Chromium, Cl = Copper, F = Fuel, Fe = Iron, K = Potassium, Li = Lithium, Mg = Magnesium, Mn = Manganese, Mo = Molybdenum, Ni = Nickel, NT = Not Testable, P = Phosphorus, Pb = Lead, Pt = Platinum, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, Zn = Zinc
 FECC = Ferrous Part Content
 Note: This analysis is intended as an aid in predicting maintenance. No guarantee, expressed or implied, is made regarding the results of this test or the condition of the equipment.

FINNING



FINNING CANADA LTD. - Fluid Analysis Laboratory, 109-10-170th Street, Edmonton, AB, T5S 1H6, CANADA
PHONE: 1-888-FINNING (346-6464)

Email: oilsupport@finning.com Web: www.finning.com

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EQUIPMENT

CUSTOMER EQUIP NUM : 218
SERIAL NUMBER : K5K01835
MODEL : 950H
MANUFACTURER : CAT
COMPANY NAME : TWIN CITY EXCAVATING INC
JOB SITE :
AREA :
REGION :

SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE
COMP SERIAL NUM :
COMPARTMENT MODEL :
LABEL#: 4739598
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 12
SAMPLE LOCATION :

INCREASED SOOT AND IRON CONTENT. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.
INSPECT OIL FILTER(S) FOR ANY EVIDENCE OF LARGER VISIBLE DEBRIS TRAPPED IN THE FILTER ELEMENT(S).

LAB #

N030-47283-0017

PROCESS DATE 10-Oct-17

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METERION FLUID	FLUID CHANGE	FLUID CHANGE	FLUID CHANGE	FLUID WEIGHT	FLUID CHANGE	FLUID CHANGE	FLUID CHANGE	Ni	Ag	Ti	V	Zn	Ca	Mg	Ba	B	Mo	P	
28-Sep-17		9095	500	Y	Y	Y	15W-40	Y	Y	Y	2	0	0	0	0	1219	1467	419	0	417	83	1024
03-Sep-15		7593	460	Y	Y	Y	15W-40	Y	Y	Y	<0	<0	0	<0	<0	1282	1555	404	<0	395	86	1050
23-Mar-15		7157	525	Y	Y	Y	15W-40	Y	Y	Y	6	1	3	5	9	0	0	0	<0	431	81	935
14-Nov-14		6831	294	Y	Y	Y	15W-40	Y	Y	Y	13	3	4	5	13	1	1	6	<0	2	3	851

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METERION FLUID	FLUID CHANGE	FLUID CHANGE	FLUID CHANGE	FLUID WEIGHT	FLUID CHANGE	FLUID CHANGE	FLUID CHANGE	V100	V40	VI	ST	OXI	SUL	NIT	A	F	
28-Sep-17		9095	500	Y	Y	Y	15W-40	Y	Y	Y	13.3	102.0	128	34	17	22	8	N	N	N
03-Sep-15		7593	460	Y	Y	Y	15W-40	Y	Y	Y	13.7	107.6	14	16	16	21		N	NT	NT
23-Mar-15		7157	525	Y	Y	Y	15W-40	Y	Y	Y	13.2	109.2		10	18	23		N	NT	NT
14-Nov-14		6831	294	Y	Y	Y	15W-40	Y	Y	Y	12.6	88.7		15	17	25		N	NT	NT

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FLUID CHANGE	FLUID CHANGE	W
28-Sep-17		Y	Y	Y	N
03-Sep-15		Y	Y	Y	N
23-Mar-15		Y	Y	Y	N
14-Nov-14		Y	Y	Y	N

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A = Antifreeze, Ag = Silver, Al = Aluminum, B = Barium, Ba = Barium, Ca = Calcium, C1 = Chromium, Cu = Copper, F = Fuel, Fe = Iron, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Ni = Nickel, OXI = Oxidation, P = Phosphorus, Pb = Lead, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, V100 = Viscosity@100C, V40 = Viscosity@40C, VI = Viscosity Index, W = Water, Zn = Zinc

Notion: 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.