

**SLIMDOR MINING  
WORKS**

**UNIT 374**

**2014 HITACHI ZX245-5**

**HCMDCP60J00400073**



WAJAX - CALGARY  
 291242 Crossiron Drive  
 Rocky View County AB T4A 0T5  
 G.S.T. No. 83989 9747 RT0005  
 Phone: (403) 279-7278  
 Fax: (403) 236-4071

Customer  
 135492

PARTS ORDER

Document  
 C43935

Pg  
 1

Reprint  
 10:57

9/07/20

*FILE  
 COPI*

Sold To  
 SLIMDOR MINING WORKS LTD.  
 42 GRIFFIN INDUSTRIAL POINT  
 COCHRANE AB T4C 0A3  
 CANADA

Ship To  
 SHAUNE FITZGERALD  
 SLIMDOR MINING WORKS LTD.  
 42 GRIFFIN INDUSTRIAL POINT  
 COCHRANE AB T4C 0A3  
 CANADA

403/932-4666

403/932-4666

Ship Via CUSTOMER PICKUP

FOB ON-SITE

Br	Trk	Make	Model	Serial	Equipment	Meter	Sls	Customer P.O.
026		HI	ZX245USLC-5	HCMDCP60J00400073	UNIT 374		999	SMW374

Ord	Ship	B/O	Description	Each	Amount
			Taken By ADAM PRONK (0391)	Ordered	8/07/20
			Terms SHIP COMPLETE	Vendor	
2	2		HI H178696 Back-Up Ring	FILE 2*N	31.59 63.18
			PART H178696 IS NON-RETURNABLE		
2	2		HI H227905 Ring	FILE3 *N	70.96 141.92
			PART H227905 IS NON-RETURNABLE		
1	1		HI FYA00001400 Seal Kit	K4B N	491.74 491.74
			PART FYA00001400 IS NON-RETURNABLE		
1	1		HI H228111 Set Screw	VC01B *N	5.76 5.76
			PART H228111 IS NON-RETURNABLE		
1	1		HI R26552 Ball	VC03B *N	2.03 2.03

CONTINUED

*UNIT 374  
 Bucket cyl  
 Reseal Kit*

SEE REVERSE FOR TERMS AND CONDITIONS  
 VOIR AU VERSO POUR LES MODALITÉS



*File Copy*

WAJAX - CALGARY  
291242 Crossiron Drive  
Rocky View County AB T4A 0T5  
G.S.T. No. 83989 9747 RT0005  
Phone: (403) 279-7278  
Fax: (403) 236-4071

Customer  
135492

PARTS ORDER

Document  
C46398

Pg  
1

26/11/20

Reprint  
12:23

Sold To  
SLIMDOR MINING WORKS LTD.  
42 GRIFFIN INDUSTRIAL POINT  
COCHRANE AB T4C 0A3  
CANADA

Ship To  
SHAUNE  
SLIMDOR MINING WORKS LTD.  
42 GRIFFIN INDUSTRIAL POINT  
COCHRANE AB T4C 0A3  
CANADA

403/932-4666

403/932-4666

Ship Via CUSTOMER PICKUP

FOB ON-SITE

Br	Trk	Make	Model	Serial	Equipment	Meter	Sls	Customer	P.O.
026		HI	ZX245USLC-5	HCMDCP60J00400073	UNIT 374		112	SMW374	

Ordr	Ship	B/O	Description	Each	Amount
			Taken By MATTHEW WILSON (0397)	Ordered 23/11/20	
			Terms	Vendor	
			SHIP COMPLETE		
8	8		NP 19M8035VW	SHOP3A*	1.27 10.16
			IDLER BOLT		
2	2		NP 9176864VW	TRNSFR*	393.77 787.54
			UNDERCARRIAGE IDLE		
8	8		HI 24M7338	VL01D *N	2.05 16.40
			Washer		
			PART 24M7338 IS NON-RETURNABLE		
			ALBERTA P.S.T		.00
			G.S.T. 83989 9747 RT0005		40.71

*SMW374*

Total 854.81

Authorized Signature Date Pulled By Checked By

SEE REVERSE FOR TERMS AND CONDITIONS  
VOIR AU VERSO POUR LES MODALITÉS





# EXCAVATOR SERVICE SHEET

Unit #: Smw 314

Date of Service: September 17, 2021

Model: 245

TECHNICIAN: Kiby

CHECKED	<input checked="" type="checkbox"/>	CHANGED	HOURS	NEXT SERVICE DUE
Engine Oil	<input checked="" type="checkbox"/>		5332	51052
Oil Filters	<input checked="" type="checkbox"/>		5332	51042
Fuel Filters	<input checked="" type="checkbox"/>		5332	51042
Air Cleaners	<input checked="" type="checkbox"/>		5332	51042
Anti-Freeze	<input checked="" type="checkbox"/>		5332	51042
Swing Gear	<input checked="" type="checkbox"/>			
Pump Trans	<input checked="" type="checkbox"/>			
Hydraulic Oil	<input checked="" type="checkbox"/>			
Hydraulic Filters	<input type="checkbox"/>			
SOS #	<input checked="" type="checkbox"/>			
Final Drives	<input checked="" type="checkbox"/>		5332	51042
Undercarriage Adjustments & Checks	<input checked="" type="checkbox"/>			
Lights	<input checked="" type="checkbox"/>			
Pins & Bushings	<input type="checkbox"/>			
Bucket Teeth	<input checked="" type="checkbox"/>			
Cutting Edge	<input checked="" type="checkbox"/>			

	YES	NO
JOB COMPLETED	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS: Aux plumbing brackets damaged, under body panels bent.  
Engine oil & full service, grease machine.

\*\*\* Hitch Activation line leaking \*\*\* (still needs changed)



# EXCAVATOR SERVICE SHEET

Unit #: 374

Date of Service: Dec 29 2020

Model: 245-5

TECHNICIAN: Den

CHECKED	<input checked="" type="checkbox"/>	CHANGED	HOURS	PREVIOUS SERVICE
Engine Oil	<input type="checkbox"/>	X 5W40	4705	5055
Oil Filters	<input type="checkbox"/>	X	4705	5055
Fuel Filters	<input type="checkbox"/>	XX	4705	5055
Air Cleaners	<input type="checkbox"/>	XX	4705	5055
Anti-Freeze	<input checked="" type="checkbox"/>			
Swing Gear	<input type="checkbox"/>	X 75W90	4705	5705
Pump Trans	<input type="checkbox"/>	X 5W40	4705	5705
Hydraulic Oil	<input checked="" type="checkbox"/>			
Hydraulic Filters	<input type="checkbox"/>	XX	4705	5705
SOS #	<input type="checkbox"/>	yes		
Final Drives	<input type="checkbox"/>	XX 75W90	4705	5705
Undercarriage Adjustments & Checks	<input checked="" type="checkbox"/>			
Lights	<input checked="" type="checkbox"/>			
Pins & Bushings	<input checked="" type="checkbox"/>			
Bucket Teeth	<input checked="" type="checkbox"/>			
Cutting Edge	<input type="checkbox"/>			

	YES	NO
JOB COMPLETED	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS: 1000 hr service done at 4705 hrs  
oil cylinder needs to be resealed  
pin bushings at end of stick have excessive play



# EXCAVATOR SERVICE SHEET

Unit #: 374

Date of Service: September 26, 2020

Model: Hitachi 245

TECHNICIAN: Kirby

CHECKED	<input type="checkbox"/>	CHANGED	HOURS	NEXT SERVICE DATE
Engine Oil	<input checked="" type="checkbox"/>		4269	4619
Oil Filters	<input checked="" type="checkbox"/>		4749	4619
Fuel Filters	<input checked="" type="checkbox"/>		4269	4619
Air Cleaners	<input checked="" type="checkbox"/>		4269	4619
Anti-Freeze	<input checked="" type="checkbox"/>			
Swing Gear	<input checked="" type="checkbox"/>			
Pump Trans	<input checked="" type="checkbox"/>			
Hydraulic Oil	<input checked="" type="checkbox"/>			
Hydraulic Filters	<input checked="" type="checkbox"/>			
SOS #	<input checked="" type="checkbox"/>		4269	4619
Final Drives	<input type="checkbox"/>			
Undercarriage Adjustments & Checks	<input type="checkbox"/>			
Lights	<input checked="" type="checkbox"/>			
Pins & Bushings	<input type="checkbox"/>			
Bucket Teeth	<input type="checkbox"/>			
Cutting Edge	<input type="checkbox"/>			

	YES	NO
JOB COMPLETED	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS: Oil service, greased, found hand rail broken and bent all the way up to engine compartment. Machine took excessive amount of grease.



# EXCAVATOR SERVICE SHEET

Unit #: 374

Date of Service: OCT 17<sup>TH</sup> 2019

Model: 245 VSLC

TECHNICIAN: ZACH

CHECKED	<input checked="" type="checkbox"/>	CHANGED	HOURS	NEXT SERVICE DUE
Engine Oil	<input type="checkbox"/>	X	3914 HR	4164 HR
Oil Filters	<input type="checkbox"/>	X		
Fuel Filters	<input type="checkbox"/>	X		
Air Cleaners	<input type="checkbox"/>	OUTTER		
Anti-Freeze	<input checked="" type="checkbox"/>			
Swing Gear	<input checked="" type="checkbox"/>			
Pump Trans	<input checked="" type="checkbox"/>			
Hydraulic Oil	<input checked="" type="checkbox"/>			
Hydraulic Filters	<input checked="" type="checkbox"/>			
SOS #	<input type="checkbox"/>			
Final Drives	<input checked="" type="checkbox"/>			
Undercarriage Adjustments & Checks	<input type="checkbox"/>			
Lights	<input type="checkbox"/>	REPLACE BULB		
Pins & Bushings	<input checked="" type="checkbox"/>			
Bucket Teeth	<input type="checkbox"/>			
Cutting Edge	<input type="checkbox"/>			

	YES	NO
JOB COMPLETED	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# EXCAVATOR SERVICE SHEET

Unit #: 374

Date of Service: June 17 2019

Model: 245-5

TECHNICIAN: DAN

CHECKED	<input checked="" type="checkbox"/>	CHANGED	HOURS	NEXT SERVICE DUE
Engine Oil	<input type="checkbox"/>			
Oil Filters	<input type="checkbox"/>			
Fuel Filters	<input type="checkbox"/>			
Air Cleaners	<input type="checkbox"/>			
Anti-Freeze	<input type="checkbox"/>			
Swing Gear	<input type="checkbox"/>	X 75W90	3712	
Pump Trans	<input type="checkbox"/>	X 5W40	3712	
Hydraulic Oil	<input type="checkbox"/>			
Hydraulic Filters	<input type="checkbox"/>	XX		
SOS #	<input type="checkbox"/>			
Final Drives	<input type="checkbox"/>	Lx 75W90	3712	
Undercarriage Adjustments & Checks	<input type="checkbox"/>			
Lights	<input type="checkbox"/>			
Pins & Bushings	<input type="checkbox"/>			
Bucket Teeth	<input type="checkbox"/>			
Cutting Edge	<input type="checkbox"/>			

	YES	NO
JOB COMPLETED	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# SLIMDOR CONTRACTING

42 Griffin Industrial Point, Cochran, AL 36827

Telephone: 938-4454

## EXCAVATOR SERVICE SHEET

DATE: March 28, 2018

EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
<u>B74</u>	ENGINE OIL	X	<u>2672</u>	<u>2922</u>
	OIL FILTERS	X		
	FUEL FILTERS	XX		
	AIR CLEANERS	XX	<u>1 hr + OIL</u>	
	ANTI-FREEZE	✓		
	SWING GEAR	✓		
	PUMP TRANS	X		
	HYD OIL	✓		
	HYD. FILTERS	XX		
	S.O.S. #	YES		
	FINAL DRIVES	XX		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS			

TOTAL TIME FOR JOB \_\_\_\_\_ HRS

COMMENTS:

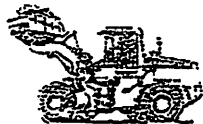
Replaced hyd filters

Replaced final drive oil

JOB COMPLETED YES  NO

SUPERVISORS SIGNATURE \_\_\_\_\_

previous service 2368



# SLIMDOR CONTRACTING

42 Griffin Industrial Point, Cochrane, AB T4C 0A2

Telephone: 932-4591, Fax: 932-4592

## EXCAVATOR SERVICE SHEET

DATE: OCT 4 2017

EQUIPMENT NAME	TYPE OF WORK	WORK DONE %	HOURS	NEXT SERVICE DUE
374	ENGINE OIL	X	2109	
	OIL FILTERS	X	1859	2109
	FUEL FILTERS	XX		
	AIR CLEANERS	XX in	t out	
	ANTI-FREEZE	✓	Added 2 L	
	SWING GEAR	✓		
	PUMP TRANS	✓		
	HYD OIL	✓		
	HYD. FILTERS	✓		
	S.O.S. #	No		
	FINAL DRIVES	✓		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS	✓		

TOTAL TIME FOR JOB \_\_\_\_\_ HRS

COMMENTS:

2000 Hr service due next service

\_\_\_\_\_

\_\_\_\_\_

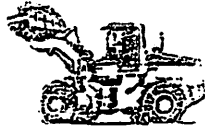
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

JOB COMPLETED YES  NO

SUPERVISORS SIGNATURE \_\_\_\_\_



# SLIMDOR CONTRACTING

42 Griffin Industrial Point, Cochrane, Alberta, Canada

Telephone: 931-4464

## EXCAVATOR SERVICE SHEET

374

DATE: Feb 22/17

EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
2x2'45	ENGINE OIL	X	1513	1763
	OIL FILTERS	/		
	FUEL FILTERS	X X		
	AIR CLEANERS	X	Outer	
	ANTI-FREEZE	/		
	SWING GEAR	/		
	PUMP TRANS	/		
	HYD OIL	/		
	HYD. FILTERS	/		
	S.O.S. #	X		
	FINAL DRIVES	/		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	/		
	LIGHTS	/		


TOTAL TIME FOR JOB 3 HRS

COMMENTS:

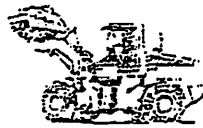
Sample Was Good

Rented By Ironhorse

JOB COMPLETED YES  NO

SUPERVISORS SIGNATURE 





# SLIMDOR CONTRACTING

42 Griffin Industrial Point, Cochrane, Alberta, Canada

Telephone: 931-4111

## EXCAVATOR SERVICE SHEET

DATE: Oct 14/16

EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
374	ENGINE OIL	X	1154	1404
	OIL FILTERS	X		
	FUEL FILTERS	XX		
	AIR CLEANERS	X		
	ANTI-FREEZE	✓		
	SWING GEAR	✓		
	PUMP TRANS	X		
	HYD OIL	✓		
	HYD. FILTERS	✓		
	S.O.S. #	_____		
	FINAL DRIVES	✓		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS	✓		

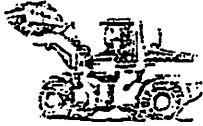
TOTAL TIME FOR JOB \_\_\_\_\_ HRS

COMMENTS:

Oil Changed Pump Trans

JOB COMPLETED YES  NO

SUPERVISORS SIGNATURE \_\_\_\_\_



# SLIMDOR CONTRACTING

42 Griffin Industrial Point, Cochrane, Alberta T4C 1A1

Telephone: 931-4111

## EXCAVATOR SERVICE SHEET

DATE: NOV/30<sup>th</sup>/2015

EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
374	ENGINE OIL	X	966.4hrs	1216HRS
	OIL FILTERS	X		
	FUEL FILTERS	XX		
	AIR CLEANERS	XX		
	ANTI-FREEZE	✓		
	SWING GEAR	✓		
	PUMP TRANS	✓		
	HYD OIL	✓		
	HYD. FILTERS	X Pilot ✓		
	S.O.S. #	Hyd		
	FINAL DRIVES	✓		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS	✓		

TOTAL TIME FOR JOB \_\_\_\_\_ HRS

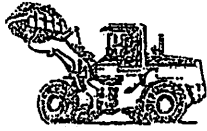
COMMENTS:

changed Pilot filter, had wrong Hydraulic filter

✓ Return - Changed

JOB COMPLETED YES \_\_\_\_\_ NO \_\_\_\_\_

SUPERVISORS SIGNATURE \_\_\_\_\_



# SLINDOR CONTRACTING LTD.

42 Griffin Industrial Point, Cochrane, AB T4C 0A3

Telephone: 932-4666, Fax: 932-7122

## EXCAVATOR SERVICE SHEET

DATE: Oct 3 2014

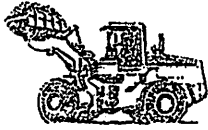
EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
<u>374</u>	ENGINE OIL	X	<u>1.6</u>	<u>866</u>
	OIL FILTERS	X		
	FUEL FILTERS	XX		
	AIR CLEANERS	X out		
	ANTI-FREEZE	✓		
	SWING GEAR	✓		
	PUMP TRANS	✓		
	HYD OIL	✓		
	HYD. FILTERS	✓		
	S.O.S. #	yes		
	FINAL DRIVES	✓		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS	✓		

TOTAL TIME FOR JOB 2.5 HRS

COMMENTS:


JOB COMPLETED YES X NO   

SUPERVISORS SIGNATURE \_\_\_\_\_



# SLIMDOR CONTRACTING LTD.

42 Griffin Industrial Point, Cochrane, AB T4C 0A3

Telephone: 932-4666, Fax: 932-4667

## EXCAVATOR SERVICE SHEET

DATE: June 27/14

EQUIPMENT NAME	TYPE OF WORK	WORK DONE "X"	HOURS	NEXT SERVICE DUE
<u>Hitachi</u> <u>245 us LC</u>	ENGINE OIL	X	<u>329</u>	
	OIL FILTERS	X	<u>629 hrs</u>	
	FUEL FILTERS	X		
<u>Unit #</u> <u>374</u>	AIR CLEANERS	X		
	ANTI-FREEZE	✓		
	SWING GEAR	✓		
	PUMP TRANS	✓		
	HYD OIL	✓		
	HYD. FILTERS	✓		
	S.O.S. #			
	FINAL DRIVES	✓		
	UNDERCARRIAGE ADJUSTMENTS & CHECKS	✓		
	LIGHTS	✓		

TOTAL TIME FOR JOB \_\_\_\_\_ HRS

COMMENTS:

One step broken on track frame.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

JOB COMPLETED YES \_\_\_\_\_ NO \_\_\_\_\_

SUPERVISORS SIGNATURE \_\_\_\_\_



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

**ENGINE**

**EQUIP NUM: 374**  
**HITACHI ZX245USLC-5\_HITACHI**

**SERIAL NUMBER: 400073\_N030**

N030-51259-0662  
 LABEL#: 200735632  
 SAMPLE SHIP TIME (days) : 5  
**SLINDOR CONTRACTING**  
**LTD**  
 RECEIVED DATE: 23-Sep-21

**No Action Required**

Interp By: Fluid Interpreter  
 Interpreted On: 24-Sep-21

WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

**SAMPLE INFORMATION**

**PREVIOUS SAMPLE**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
Sampled Date	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
Sample Id	N030-51266-0862	N030-51015-0614	N030-50282-0773	N030-49014-0010
Lab Date	23-Sep-21	15-Jan-21	08-Oct-20	14-Jan-19
Meter [Hr]	5332	4705	4269	3135
Comp Meter [Hr]	5332	4705	4269	3135
Meter On Fluid	350	350	1134	250
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	5W-40	5W-40	5W-40	15W-40
Fluid Type	DURON XL	DURON XL	DURON XL	DURON XL
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	25	22	26	
Kidney Loop	U	U	U	U

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

**CONDITION / CONTAMINATION**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
<b>VISCOSITY (Centistokes)</b>				
V100 Viscosity at 100 C	14.0	13.7	13.8	14.3
<b>VISCOSITY (Centistokes)</b>				
V40 Viscosity at 40 C	85.0	84.8	85.3	84.0
<b>VISCOSITY INDEX</b>				
VI Viscosity Index	170	165	166	177

**WEAR LEVELS / ADDITIVES**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
<b>ELEMENTAL ANALYSIS (ppm)</b>				
Na Sodium	5	4	4	5
K Potassium	0	1	0	1
Si Silicon	3	2	2	4
Al Aluminum	2	2	2	2
Fe Iron	8	11	8	2
Cr Chromium	0	0	0	0
Pb Lead	0	0	1	0
Cu Copper	0	1	1	0
Sn Tin	0	0	1	0
Ni Nickel	0	1	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	1300	1300	1269	1148
Ca Calcium	858	961	894	2007
Mg Magnesium	1138	1104	1019	28
Ba Barium	0	0	0	0
B Boron	44	33	46	3
Mo Molybdenum	61	55	54	1
P Phosphorus	1022	1056	1072	992

**INFRARED (LPM)**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
ST Soot	18	36	17	0
OXI Oxidation	19	18	18	13
SUL Sulfur Products	22	22	20	16
NIT Nitration	8	9	8	5

**ANTIFREEZE**

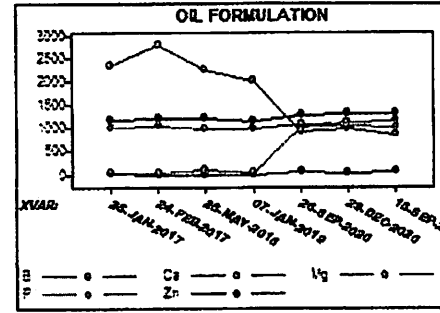
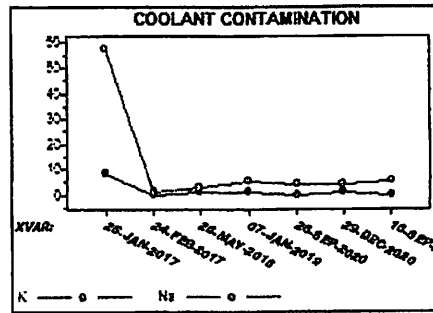
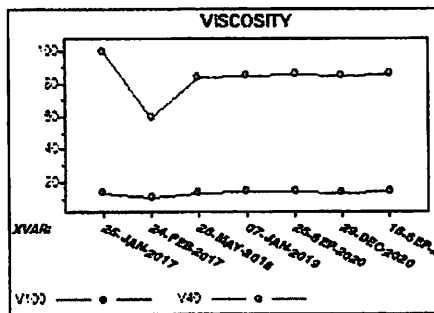
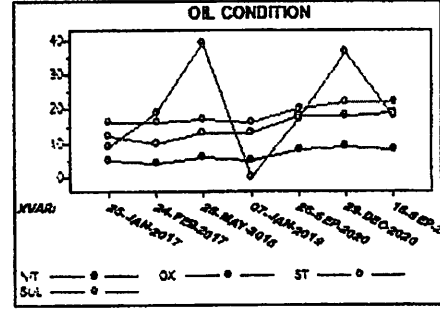
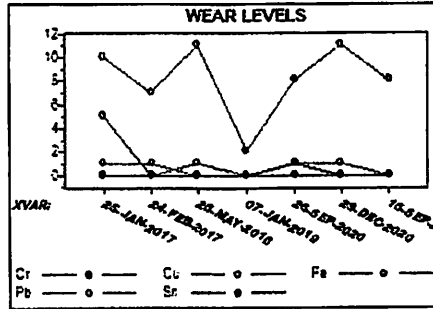
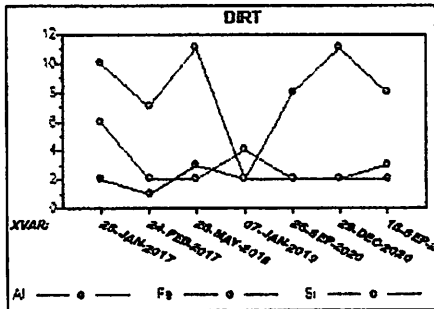
	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
A Antifreeze	N	N	N	N

**FUEL**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
F Fuel	N	N	N	N

**WATER**

	18-Sep-21	29-Dec-20	26-Sep-20	07-Jan-19
W Water	N	N	N	N



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.



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

**CONTACT INFORMATION**  
 GREG GOUDY  
 SLIMDOR CONTRACTING LTD  
 42 GRIFFIN INDUSTRIAL POINT  
 COCHRANE, AB  
 CA T4C 0A3  
 PHONE: 4039324666  
 FAX: 4039327552  
 Email: GREG.SLIMDOR@GMAIL

**EQUIPMENT**  
 CUSTOMER EQUIP NUM : 374  
 SERIAL NUMBER : 400073\_N030  
 MODEL : ZX245USLC-5\_HITACHI  
 MANUFACTURER : HITACHI  
 COMPANY NAME : SLIMDOR CONTRACTING LTD  
 JOB SITE :  
 AREA :  
 REGION :

**SAMPLE INFORMATION**  
 COMPARTMENT NAME : ENGINE  
 COMP SERIAL NUM :  
 COMPARTMENT MODEL :  
 LABEL#: 4884837  
 SHOP JOB NUM :  
 SAMPLE TYPE: OIL  
 SAMPLE SHIP TIME (days) : 3  
 SAMPLE LOCATION :

Interp By: Greg Eyre  
 No Action Required

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

LAB # N030-48156-0081  
 PROCESS DATE 05-Jun-18

**WEAR/CONTAMINATION - ADDITIVES/FORMULATION**

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	Na	K	Si	Al	Fe	Cr	Pb	Cu	Sn	Ni	Ag	Ti	V	Zn	Ca	Mg	Ba	B	Mo	P
28-May-18	N030-48156-0081	2672	250	Y	3	1	2	3	11	0	0	1	0	0	0	0	0	1221	2240	102	0	1	6	971
24-Feb-17	N030-47059-0173	1513	150	Y	1	0	2	1	7	0	1	0	0	<0	<0	0	<0	1196	2775	9	0	2	1	1026
25-Jan-17	N030-47059-0173	1370	250	Y	57	8	6	2	10	0	1	5	<0	<0	2	0	<0	1164	2314	21	0	19	2	999
25-Nov-14	N030-44335-0092	616	350	Y	1	1	4	2	8	0	0	4	<0	<0	<0	0	<0	1003	2021	7	0	2	<0	847

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

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FLUID CHANGE	VI100	V40	VI	ST	OXI	SUL	NIT	A	F
28-May-18	N030-48156-0081	2672	250	Y	PETRO-CAN	DURON XL	15W-40	Y	Y	13.2	83.0	161	39	13	17	6	N	N
24-Feb-17	N030-47059-0173	1513	150	Y	PETRO-CAN	DURON XL	0W-30	Y	Y	10.9	59.0		18	10	16	4	N	NT
25-Jan-17	N030-47059-0173	1370	250	Y	PETRO-CAN	DURON	15W-40	Y	Y	13.3	98.9		9	12	16	5	P	NT
25-Nov-14	N030-44335-0092	616	350	Y	PETRO-CAN	UNKNOWN	15W-40	Y	Y	14.3	97.6		19	14	24		N	NT

**OIL CLEANLINESS**

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	W
28-May-18	N030-48156-0081	Y	Y	N
24-Feb-17	N030-47059-0173	Y	Y	N
25-Jan-17	N030-47059-0173	Y	Y	T
25-Nov-14	N030-44335-0092	Y	Y	N

A = Antifreeze, Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cr = Chromium, Cu = Copper, F = Fuel, Fe = Iron, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Ni = Nickel, N = Nitrogen, Na = Sodium, Ni = Nickel, Oxi = Oxidation, P = Phosphorus, Pb = Lead, ST = Soot, SUL = Sulfur, S = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, VI100 = Viscosity@100C, V40 = Viscosity@40C, VI = Viscosity Index, 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.



# PROACTIVE FLUID ANALYSIS Lubricant & Component • Predictive Results

FAX : 4039327552

374

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### Unit Information

### Service Information

UNIT: 374  
 Equip Make: HITACHI  
 Equip Model: ZX245USLC-5\_HITACHI  
 Equip Serial: 400073  
 Component: ENGINE

Warranty Expiry Date:  
 Comp Make: ISUZU  
 Comp Model:  
 Comp Serial:  
 Service Interval:  
 Work Order No:  
 Job Site:  
 Branch:  
 Sampled Site:

Customer Comments:

Evaluation Code: **Recomm** Recommendation: **Urgent Action Required** Lab Number: N030-47026-0237

Sodium is elevated and is often related to coolant contamination. Coolant test is positive with 2904 ppm of ethylene glycol in oil. Presence of water (0.5%) may be related to coolant contamination. Wear metal analysis indicates acceptable wear rate. Oil condition analysis is acceptable. Find and correct source of coolant contamination. Suggest flushing compartment and re-sampling in 250 hours.

Days to reach Lab: 1 Interpreted By: Dallas Livingston Analyzed By: jnewman Label Number: 4471220

Evaluation Code: **Normal** Recommendation: **Normal** Date: 25/11/14 Lab Number: N030-44335-0092

Days to reach Lab: 6 Interpreted By: Peter Leggo Analyzed By: psped Label Number: 4313277

### Sample Information

### Sample Reading

Evolution:	SMU	CMU	Oil Hour	Oil Chg	Filter Chg	Sample Date	Received Date	Oil Brand	Oil Grade	Na	K	S	Al	Fe	Cl	Pb	Cu	Sn	Ni	Mo	Si	Ca	ST	OXI	SUL
Baseline										1	1	5	0	2	0	1	0	0	0	0	0	0	0	0	0
X	1370	1,370	250	Y	Y	25/01/17	28/01/17	PETROCCAN DU	15W-40	57	8	6	2	10	0	1	5	0	2	0	0	0	0	0	16
A	616	616	350	Y	Y	25/11/14	01/12/14	PETROCCAN DU	15W-40	1	1	4	2	8	0	0	4	0	0	0	0	0	0	0	24

### Sample Reading

NT	Zn	Ca	Mg	SB	B	Mo	P	V150	V40	F	W	% Water	% Eth	GLV
1262	2351	10	0	1	0	1105	15	111		NT	T	0.50	0.0	P
5	1164	2314	21	0	19	2	999	13.3	98.9	NT	N	0.00	0.0	NT
1003	2021	7	0	2	<0	847	14.3	97.6						

P - Positive

T - Trace

N - Negative

NR - Not Required

NT - Not Tested

No Action Required

B

Monitor

C

Action Required

Urgent Action Required

SLIMDOR CONTRACTING LTD  
 Attn: GREG GOUDY  
 42 GRIFFIN INDUSTRIAL POINT  
 COCHRANE, AB T4C 0A3



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### CONTACT INFORMATION

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Interp By: Gregory Scribner

**No Action  
 Required**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL. \*\*\*\*\*SOS ANALYSIS RESULTS DO NOT INDICATE SIGNIFICANT COOLANT CONTAMINATION AT THIS TIME.

LAB #

N030-49014-0007

PROCESS 14-Jan-19

DATE

### EQUIPMENT

CUSTOMER EQUIP NUM : 8524  
 SERIAL NUMBER : 253591  
 MODEL : 750K  
 MANUFACTURER : DEERE  
 COMPANY NAME : SLIMDOR CONTRACTING LTD  
 JOB SITE :  
 AREA :  
 REGION :

### SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE  
 COMP SERIAL NUM :  
 COMPARTMENT MODEL :  
 LABEL#: 4884749  
 SHOP JOB NUM :  
 SAMPLE TYPE: OIL  
 SAMPLE SHIP TIME (days) : 7  
 SAMPLE LOCATION :

### WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FLUID CHANGE	Na	K	Si	Al	Fe	Cr	Pb	Cu	Sn	Ni	Ag	Ti	V	Zn	Ca	Mg	Ba	B	Mo	P	
07-Jan-19	N030-49014-0007	2713	25	Y	Y	5	0	4	0	5	0	0	0	0	0	0	0	0	1	1226	850	1141	0	51	64	1034
15-Jul-18	N030-48204-0033	2157	250	Y	Y	2	1	2	1	12	0	0	1	0	1	0	0	0	0	1257	1068	1047	0	3	55	1070
15-Nov-17	N030-47331-0031	1694	250	Y	Y	3	0	3	1	22	1	0	7	0	3	0	0	0	0	1225	1255	924	0	2	43	1018

### OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FLUID CHANGE	VI	V100	V40	ST	OXI	SUL	NIT	A	F
07-Jan-19	N030-49014-0007	2713	25	PETRO-CAN	DURON	5W-40	Y	Y	13.0	79.2	166	2	16	19	6	N	N
15-Jul-18	N030-48204-0033	2157	250	PETRO-CAN	DURON	15W-40	Y	Y	15.1	109.3	144	13	14	19	6	N	N
15-Nov-17	N030-47331-0031	1694	250	PETRO-CAN	PETRO-CAN	15W-40	Y	Y	14.9	75.0	210	14	14	16	7	N	N

### OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	W
07-Jan-19	N030-49014-0007	Y	Y	N
15-Jul-18	N030-48204-0033	Y	Y	N
15-Nov-17	N030-47331-0031	Y	Y	N

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

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Interp By: Gregory Schner



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

LAB #  
 NO30-49014-0010  
 PROCESS 14-Jan-19

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## EQUIPMENT

CUSTOMER EQUIP NUM : 374  
 SERIAL NUMBER : 400073\_NO30  
 MODEL : ZX245USL-C5-HITACHI  
 MANUFACTURER : HITACHI  
 COMPANY NAME : SLIMDOR CONTRACTING LTD  
 JOB SITE :  
 AREA :  
 REGION :

## SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE  
 COMP SERIAL NUM :  
 COMPARTMENT MODEL :  
 LABEL# : 4680238  
 SHOP JOB NUM :  
 SAMPLE TYPE : OIL  
 SAMPLE SHIP TIME (days) : 7  
 SAMPLE LOCATION :

## WEAR/CONTAMINATION - ADDITIVE/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Na	K	Si	Al	Fe	Cr	Pb	Cu	Sa	Ni	Ag	Ti	V	Zn	Cs	Mg	Ba	B	Mo	P	
07-Jan-19		3135	250	Y	Y	5	1	4	2	2	0	0	0	0	0	0	0	0	0	1148	2007	28	0	3	1	992
28-May-18		2672	250	Y	Y	3	1	2	3	11	0	0	1	0	0	0	0	0	0	1221	2240	102	0	1	6	971
24-Feb-17		1513	150	Y	Y	1	0	2	1	7	0	1	0	0	0	0	0	0	0	1196	2775	9	0	2	1	1026
25-Jan-17		1370	250	Y	Y	57	8	6	2	10	0	1	5	<0	2	<0	0	<0	1164	2314	21	0	19	2	999	

## OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	V40	VI	ST	OXI	SUL	NIT	A	F
07-Jan-19		3135	250	PETRO-CAN	DURON XL	15W-40	Y	Y	14.3	84.0	177	0	13	16	5	N	N
28-May-18		2672	250	PETRO-CAN	DURON XL	15W-40	Y	Y	13.2	83.0	161	39	13	17	6	N	N
24-Feb-17		1513	150	PETRO-CAN	DURON XL	0W-30	Y	Y	10.9	59.0	19	10	10	16	4	N	NT
25-Jan-17		1370	250	PETRO-CAN	DURON	15W-40	Y	Y	13.3	98.9	9	12	16	5	P	NT	NT

## OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	W
07-Jan-19		Y	Y	N
28-May-18		Y	Y	N
24-Feb-17		Y	Y	N
25-Jan-17		Y	Y	T

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

Notes: This analysis is intended as a guide in predicting mechanical wear. No guarantee is made against failure of any component thereof.



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# PROACTIVE FLUID ANALYSIS

## Lubricant & Component • Predictive Results



### Unit Information

**UNIT:** 374      **Warranty Expiry Date:**      **Service Interval:**  
**Equip Make:** HITACHI      **Comp Make:** ISUZU      **Work Order No:**  
**Equip Model:** ZX245USLC-5\_HITACHI      **Comp Model:**      **Job Site:** Default Site  
**Equip Serial:** 400073      **Comp Serial:**      **Branch:** Default Site  
**Component:** ENGINE      **Sampled Site:** Default Site

**Customer Comments:**

**Evaluation Code**      **Recommendation**      **Normal**      **25/11/14**      **Lab Number**      **N030-44335-4**

Dirt and wear metals appear to be at acceptable levels. Other readings appear to be normal. Resample at the next service interval.

**Days to reach Lab**      **6**      **Interpreted By**      **Peter Leggo**      **Analyzed By**      **pspeed**      **Label Number**      **4313277**

**Evaluation Code**      **Recommendation**      **Date**      **Lab Number**

**Days to reach Lab**      **Interpreted By**      **Analyzed By**      **Label Number**

Sample Information										Sample Reading														
Evaluation	SMU	CMU	Oil Hours	Oil Filter Chg	Sample Date	Received Date	Oil Brand	Oil Grade	Na Sodium	K Potassium	Si Silicon	Al Aluminum	Fe Iron	Cr Chromium	Pb Lead	Cu Copper	Sn Tin	Ni Nickel	Ag Silver	Ti Titanium	V Vanadium	ST Spot	OXI Oxidation	
Baseline																								
A	616	616	350	Y	25/11/14	01/12/14	PETROCAN	15W-40	0	1	5	0	1	0	1	0	0	0	0	0	0	0	0	14

Sample Reading													
Zn	Ca	Mg	Ba	B	Mo	P	V100	V40	F	W	% Water	% Fuel	GLY
Zinc	Calcium	Magnesium	Barium	Boron	Molybdenum	Phosphorus	Viscosity	Viscosity	Fuel	Water	Percent W	Percent F	GLY
1062	2004	8	0	0	1	997	15	110					
1003	2021	7	0	2	<0	847	14.3	97.8	NT	N	0.00	0.0	NT

**P - Positive**      **T - Trace**      **N - Negative**      **NR - Not Required**      **NT - Not Tested**

**A**      **No Action Required**      **B**      **Monitor**      **C**      **Action Required**      **X**      **Urgent Action Required**

SLIMDOR CONTRACTING LTD  
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