| 371 | 84 CUSTO | OM Repor | ts |  |  |
|-----|----------|----------|----|--|--|
|     |          |          |    |  |  |
|     |          |          |    |  |  |
|     |          |          |    |  |  |

# **OIL ANALYSIS REPORTS**

#### TO: Chris Brandsma

HALLA CLIMATE CONTROL CANADA INC. [HAL440BEL] 440 COLLEGE STREET EAST P.O. BOX 575

BELLEVILLE, ON

K8N 5B2 Canada

(613)969-1460

1(613)969-8350

cbrandsm@halla.on.ca

FROM: Kevin Marson WearCheck Canada Inc. 4161 Sladeview Cresc., Unit 11 Mississauga, ON L5L 5R3 Canada 905-569-8600 Ext: 233

FAX (905)569-8605

customerservice@wearcheck.ca

## **Report Summary**

| Sample N° Unit                                      | WEAR CONTAM'N FLUID      |
|---|--------------------------|
| WC-729579 HAL 112A Left Pump                        | NORMAL NORMAL NORMAL     |
| WC-729551 LOMAR LOMAR CRIMPER Hydraulic System      | NORMAL ABNORMAL MARGINAL |
| WC-729602 LOMAR CRIMPER S-1095A Hydraulic System    | NORMAL ABNORMAL NORMAL   |
| WC-729563 LOMAR CRIMP BENDER Hydraulic System       | NORMAL ABNORMAL NORMAL   |
| WC-729545 WNJIN AUTO ENDFORMER Hydraulic System     | NORMAL ATTENTION NORMAL  |
| WC-729547 GT MACHINE SUPER STAKER Hydraulic System  | NORMAL ATTENTION NORMAL  |
| WC-729546 BENDCO UPN BENDER Hydraulic System        | NORMAL ATTENTION NORMAL  |
| WC-729562 LOMAR CRIMPER Hydraulic System            | NORMAL ABNORMAL NORMAL   |
| WC-729553 PROFORM 2003 ENFN BENDER Hydraulic System | NORMAL NORMAL ATTENTION  |
| WC-729561 LAKELAND CAN ASSEMBLY Hydraulic System    | NORMAL ABNORMAL NORMAL   |
| WC-729593 HAC 013B Left Pump                        | NORMAL NORMAL NORMAL     |
| WC-729594 HAC 013B Right Blower                     | NORMAL NORMAL NORMAL     |
| WC-729592 HAC 013B Right Pump                       | NORMAL NORMAL NORMAL     |
| WC-729598 HRD 518 Right Blower                      | NORMAL NORMAL NORMAL     |
| WC-729587 HRD 504 Blower                            | NORMAL NORMAL NORMAL     |

**Total: 15 Sample Report(s)** 

| Verify Your Cor | ntact Information                    | Fax Back To (905)569-8605 |
|-----------------|--------------------------------------|---------------------------|
| First Name      | Chris                                |                           |
| Last Name       | Brandsma                             |                           |
| Title           |                                      |                           |
| Phone           | (613)969-1460                        |                           |
| Fax             | 1(613)969-8350                       |                           |
| Mobile Phone    | ()-                                  |                           |
| E-Mail          | cbrandsm@halla.on.ca                 |                           |
| Company Name    | HALLA CLIMATE CONTROL<br>CANADA INC. |                           |
| Address         | 440 COLLEGE STREET EAST              |                           |
| Address (con't) | P.O. BOX 575                         |                           |
| City            | BELLEVILLE                           |                           |
| State/Prov      | ON                                   |                           |
| Zip/Postal Code | K8N 5B2                              |                           |
| Country         | Canada                               |                           |
|                 |                                      |                           |

HAL 112A - Left Pump

Unit Make : LEYBOLD Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : SV2000 Serial No: : 5703 Time on Unit : 0 hrs Comp Make : N/A Cust. Ref No. :  $\{n/a\}$  Time on Oil : 0 hrs Comp Model : N/A Stub No. : WC-729579 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn   |
|-------------|----------|----------|---------|-------|
| Silicon     | 6.7      | 3.9      | 0.2     |       |
| Potassium   | 0.0      | 0.0      | 0.0     |       |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |       |
| >5µm        |          | 11180    |         | 1300  |
| >15µm       |          | 1012     |         | 160   |
| >25µm       |          | 104      |         |       |
| >50µm       |          | 10       |         |       |
| >100µm      |          | 0        |         |       |
| ISO 4406    |          | 21/17    |         | 17/14 |

## OIL CONDITION

Oil Type: LEYBOLD HE-700

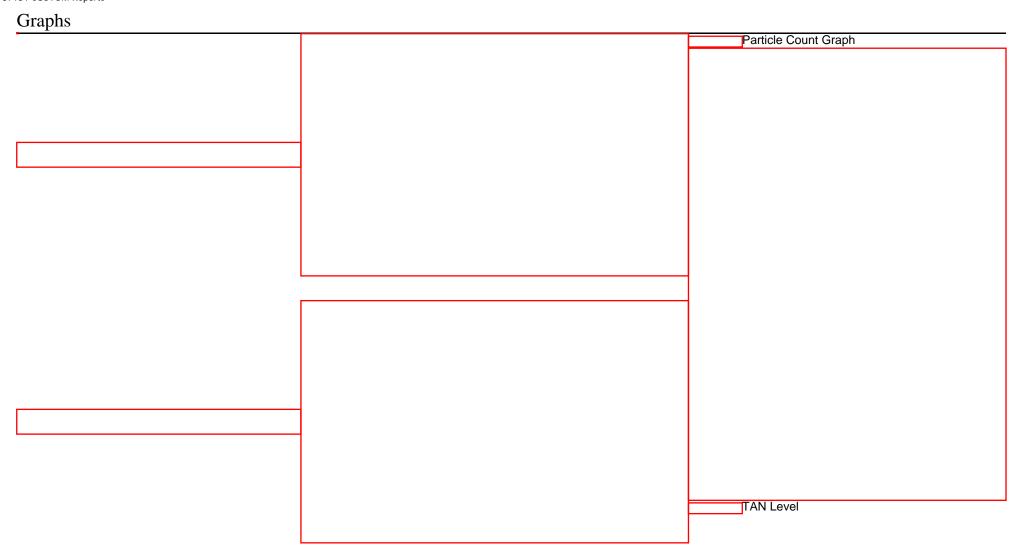
| 150 4400    |          | 21/17    |         | 1 // 14 |
|-------------|----------|----------|---------|---------|
| Sample Date | 11/13/04 | 05/27/05 | Current | Base    |
| Boron       | 5.7      | 0.0      | 0.0     |         |
| Barium      | 0.1      | 0.0      | 0.0     |         |
| Calcium     | 24       | 2.1      | 2.0     |         |
| Magnesium   | 42       | 0.3      | 0.0     |         |
| Molybdenum  | 0.5      | 0.0      | 0.0     |         |
| Sodium      | 3.2      | 4.2      | 0.0     |         |
| Phosphorus  | 38       | 2.2      | 0.6     |         |
| Sulfur      | 1711     | 1654     | 2417    |         |
| Zinc        | 45       | 4.8      | 1.0     |         |
| Visc@40°C   | 60.9     | 62.5     | 76.4    | 79.0    |
| Visc@100°C  |          |          |         | 9.5     |
| Oxidation   |          |          |         |         |
| TAN         | 0.140    | 0.07     | 0.013   |         |
| TBN         |          |          |         |         |

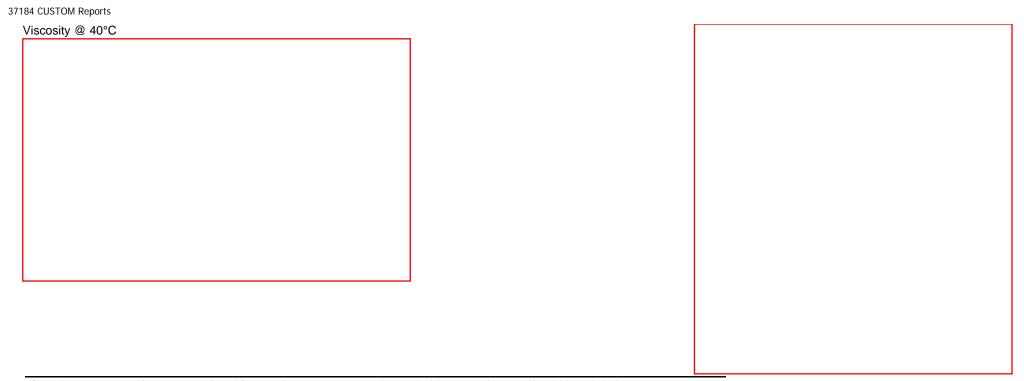
| WEAR                                    |  |
|---|--|
| * |  |

All component wear rates are normal.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn |
|-------------|----------|----------|---------|-----|
| Iron        | 5.9      | 2.0      | 0.0     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.1      | 0.0      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 0.7      | 0.3      | 0.0     | 20  |
| Aluminum    | 2.6      | 0.9      | 0.0     | 20  |
| Tin         | 0.0      | 0.0      | 0.0     | 20  |
| Lead        | 0.0      | 0.0      | 0.0     | 20  |
| Silver      | 0.3      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385694 - Pg. 1





If you have any questions concerning this sample report (work order no 01385694) please call 1-800-268-2131.



Report ID - HAL440BEL [WCAMIS] 01385694 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

ABNORMAL
MARGINAL
NORMAL

#### INDUSTRIAL OIL ANALYSIS REPORT

## LOMAR LOMAR CRIMPER - Hydraulic System

Unit Make : N.A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : D0573A0108JB Time on Unit : 0 hrs
Comp Make : VICKERS Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729551 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

#### CONTAMINATION

There is a moderate amount of particulates (2 to >100 microns in size) present in the oil.

| Sample Date | 06/11/05 | 06/10/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 0.4      | 2.7      | 1.6      |          |
| Potassium   | 0.0      | 1.7      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 8303     | 11331    | 12753    | 5000     |
| >6µm(c)     | 1557     | 4906     | 3247     | 1300     |
| >14µm(c)    | 196      | 382      | 306      | 160      |
| >21µm(c)    | 47       | 21       | 93       |          |
| >38µm(c)    | 5        | 2        | 11       |          |
| >70µm(c)    | 0        | 0        | 2        |          |
| ISO 4406(c) | 20/18/15 | 21/19/16 | 21/19/15 | 19/17/14 |

#### OIL CONDITION

Oil Type: 40 GAL of SUNOCO SUNVIS 846

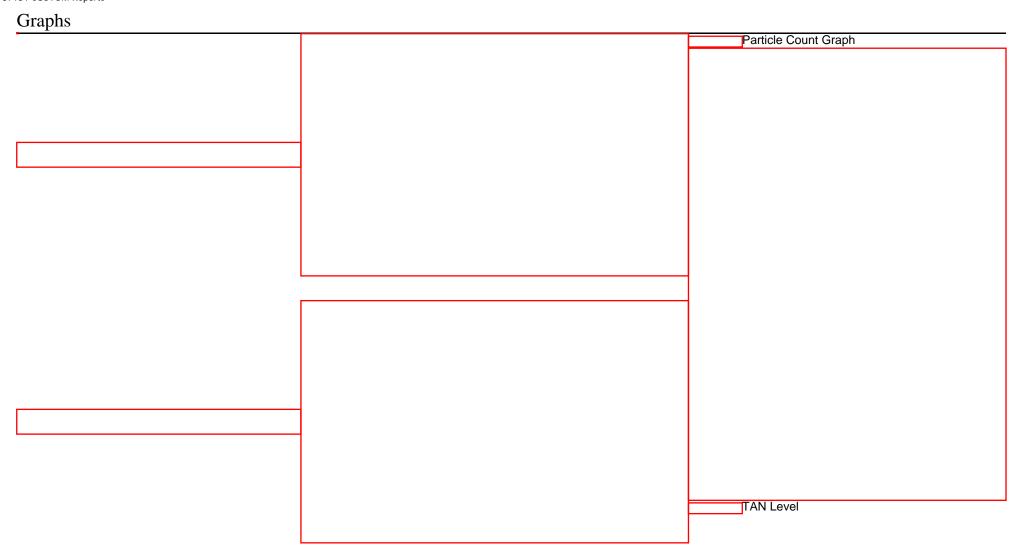
The viscosity of the oil is low indicating either Viscosity Index (VI) Improvers shearing, or the addition of a lighter grade oil.

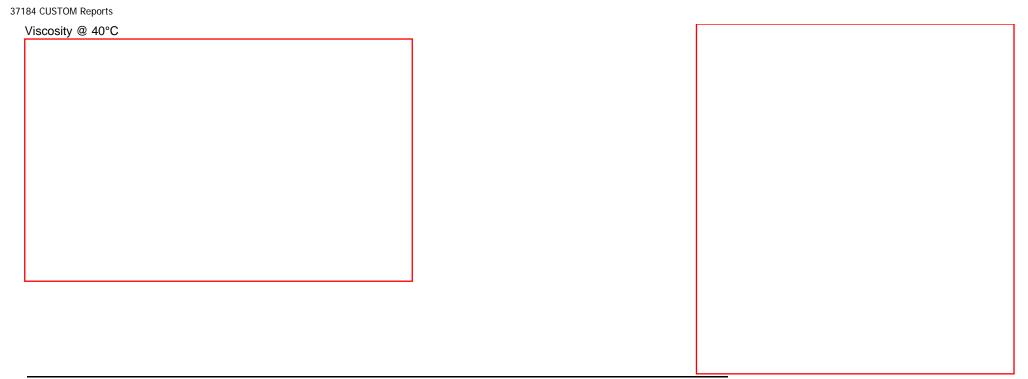
| Sample Date | 06/11/05 | 06/10/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.3      | 0.5      | 0.0     |      |
| Barium      | 0.1      | 1.2      | 1.2     |      |
| Calcium     | 50       | 64       | 66      |      |
| Magnesium   | 0.5      | 5.8      | 5.4     |      |
| Molybdenum  | 0.0      | 0.1      | 0.0     |      |
| Sodium      | 0.0      | 0.0      | 0.1     |      |
| Phosphorus  | 314      | 345      | 368     |      |
| Sulfur      | 2216     | 1154     | 1275    |      |
| Zinc        | 415      | 447      | 475     |      |
| Visc@40°C   | 44.6     | 38.4     | 38.6    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.43     | 0.42     | 0.337   |      |

| TBN         |          |        |     |         |     |
|-------------|----------|--------|-----|---------|-----|
| Sample Date | 06/11/05 | 06/10/ | 06  | Current | Abn |
| Iron        | 0.       | 2      | 1.2 | 1.2     | 20  |
| Nickel      | 0.       | 0      | 0.0 | 0.0     | 20  |
| Chromium    | 0.       | 0      | 0.0 | 0.0     | 20  |
| Titanium    | 0.       | 0      | 0.0 | 0.0     |     |
| Copper      | 0.       | 2      | 3.4 | 3.7     | 20  |
| Aluminum    | 0.       | 0      | 0.1 | 0.0     | 20  |
| Tin         | 0.       | 0      | 0.1 | 0.0     | 20  |
| Lead        | 0.       | 0      | 0.4 | 0.0     | 20  |
| Silver      | 0.       | 0      | 0.0 | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385697 - Pg. 1

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If you have any questions concerning this sample report (work order no 01385697) please call 1-800-268-2131.



Report ID - HAL440BEL [WCAMIS] 01385697 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350



## LOMAR CRIMPER S-1095A - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : na/ Serial No: : D0570A0102JB Time on Unit : 0 hrs
Comp Make : VICKERS Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729602 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

#### CONTAMINATION

There is a high amount of particulates (2 to >100 microns in size) present in the oil.

| Sample Date | 05/23/05 | 06/17/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 1.8      | 1.7      | 0.5      |          |
| Potassium   | 0.3      | 1.1      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 10370    | 21207    | 50824    | 5000     |
| >6µm(c)     | 3246     | 10537    | 33505    | 1300     |
| >14µm(c)    | 286      | 1561     | 7367     | 160      |
| >21µm(c)    | 47       | 271      | 2013     |          |
| >38µm(c)    | 6        | 18       | 62       |          |
| >70µm(c)    | 0        | 1        | 4        |          |
| ISO 4406(c) | 21/19/15 | 22/21/18 | 23/22/20 | 19/17/14 |

## OIL CONDITION

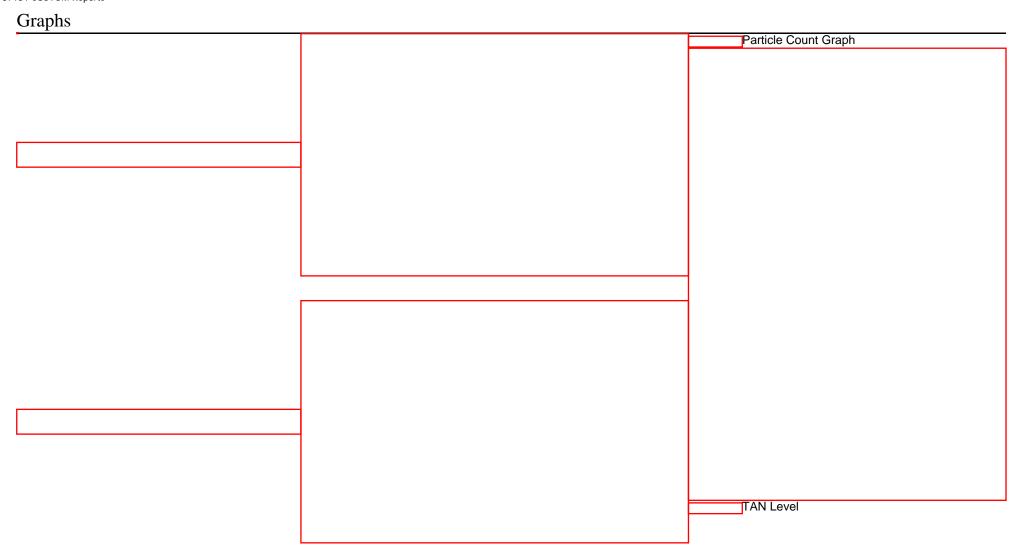
Oil Type: 40 GAL of SUNOCO SUNVIS 846

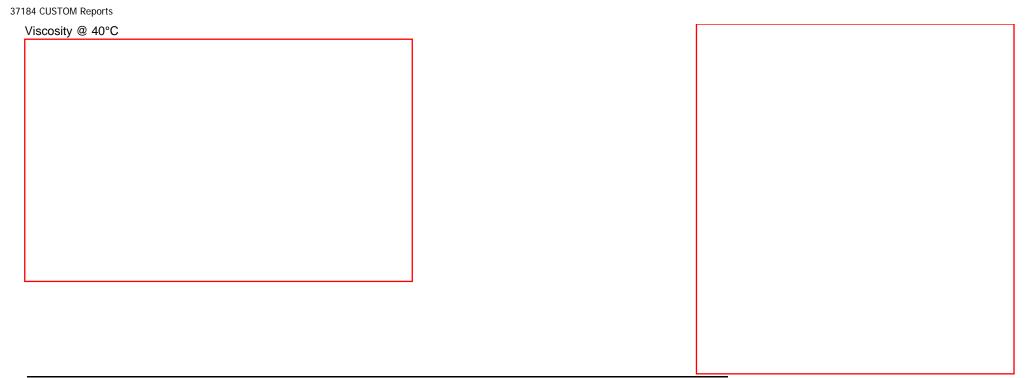
| Sample Date | 05/23/05 | 06/17/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.9      | 0.0      | 0.0     |      |
| Barium      | 0.5      | 0.4      | 0.0     |      |
| Calcium     | 77       | 80       | 90      |      |
| Magnesium   | 5.9      | 5.8      | 1.0     |      |
| Molybdenum  | 0.0      | 0.0      | 0.0     |      |
| Sodium      | 0.6      | 0.7      | 0.0     |      |
| Phosphorus  | 337      | 358      | 371     |      |
| Sulfur      | 928      | 954      | 5217    |      |
| Zinc        | 412      | 427      | 469     |      |
| Visc@40°C   | 43.0     | 45.3     | 43.8    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.48     | 0.37     | 0.389   |      |

| TBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 05/23/05 | 06/17/06 | Current | Abn |
| Iron        | 2.:      | 2 2.2    | 0.0     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.0      | 0.0      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 3.0      | 0 2.9    | 0.0     | 20  |
| Aluminum    | 0.       | 0.1      | 0.0     | 20  |
| Tin         | 0.0      | 0.2      | 0.0     | 20  |
| Lead        | 0.0      | 0.5      | 0.0     | 20  |
| Silver      | 0.0      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385698 - Pg. 1

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ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

Report ID - HAL440BEL [WCAMIS] 01385698 - Pg. 2



INDUSTRIAL OIL ANALYSIS REPORT

LOMAR CRIMP BENDER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : 00632A0208JA Time on Unit : 0 hrs

Comp Make : PARKER Cust. Ref No. : {n/a} Time on Oil : 0 hrs

Comp Model : N/A Stub No. : WC-729563 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

#### CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

| Sample Date | 05/23/05 | 06/16/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 3.9      | 2.4      | 3.6      |          |
| Potassium   | 1.0      | 0.0      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4μm(c)     | 9913     | 8948     | 40545    | 5000     |
| >6μm(c)     | 1736     | 3666     | 18491    | 1300     |
| >14µm(c)    | 39       | 324      | 1433     | 160      |
| >21µm(c)    | 11       | 18       | 63       |          |
| >38µm(c)    | 2        | 1        | 4        |          |
| >70µm(c)    | 0        | 0        | 0        |          |
| ISO 4406(c) | 20/18/12 | 20/19/16 | 23/21/18 | 19/17/14 |

#### OIL CONDITION

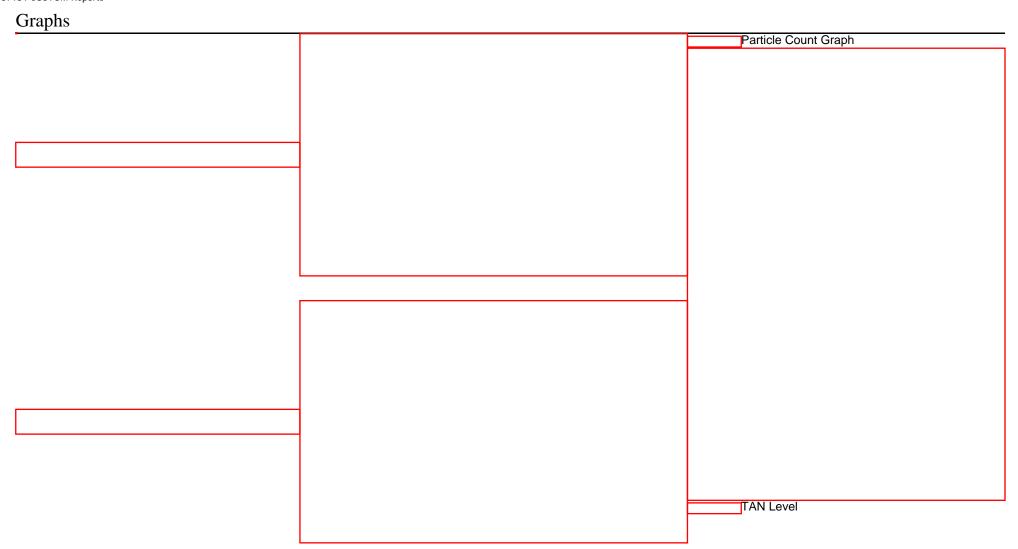
Oil Type: 40 GAL of SUNOCO SUNVIS 846

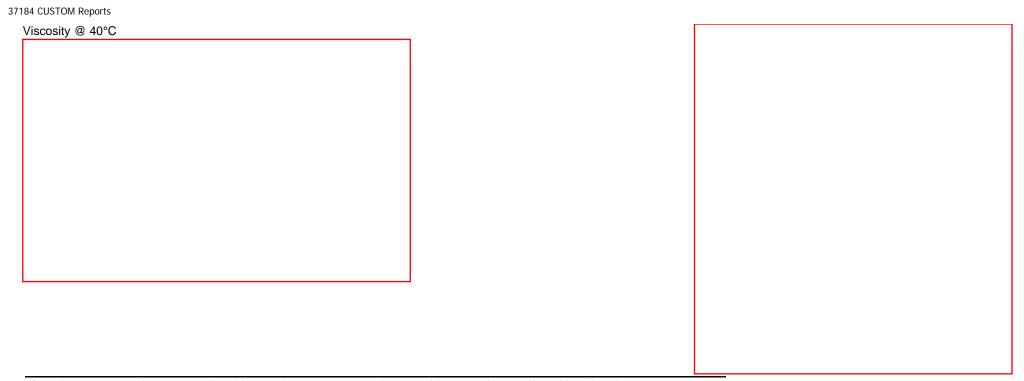
| Sample Date | 05/23/05 | 06/16/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.8      | 0.0      | 0.0     |      |
| Barium      | 0.4      | 0.2      | 0.3     |      |
| Calcium     | 58       | 53       | 52      |      |
| Magnesium   | 2.3      | 1.2      | 0.7     |      |
| Molybdenum  | 1.9      | 0.0      | 0.0     |      |
| Sodium      | 3.2      | 0.0      | 0.9     |      |
| Phosphorus  | 320      | 318      | 336     |      |
| Sulfur      | 1329     | 1948     | 2095    |      |
| Zinc        | 396      | 437      | 450     |      |
| Visc@40°C   | 42.2     | 42.5     | 42.8    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.51     | 0.40     | 0.275   |      |

| TBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 05/23/05 | 06/16/06 | Current | Abn |
| Iron        | 3.1      | 3.0      | 3.2     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.0      | 0.0      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 5.9      | 5.9      | 7.5     | 20  |
| Aluminum    | 0.2      | 0.0      | 0.0     | 20  |
| Tin         | 0.1      | 0.0      | 0.0     | 20  |
| Lead        | 0.1      | 0.3      | 0.0     | 20  |
| Silver      | 0.0      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385699 - Pg. 1

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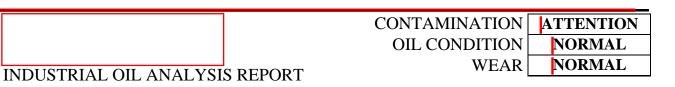


If you have any questions concerning this sample report (work order no 01385699) please call 1-800-268-2131.



Report ID - HAL440BEL [WCAMIS] 01385699 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350



## WNJIN AUTO ENDFORMER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : KW-970420 Time on Unit : 0 hrs
Comp Make : VICKERS Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729545 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor.

#### CONTAMINATION

There is a moderate amount of particulates (2 to 15 microns in size) present in the oil.

| Sample Date | 05/23/05 | 06/10/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 6.6      | 0.9      | 1.0      |          |
| Potassium   | 0.1      | 1.9      | 0.1      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 28987    | 3626     | 25082    | 5000     |
| >6µm(c)     | 16830    | 364      | 2099     | 1300     |
| >14µm(c)    | 2727     | 31       | 78       | 160      |
| >21µm(c)    | 303      | 7        | 11       |          |
| >38µm(c)    | 9        | 2        | 2        |          |
| >70µm(c)    | 0        | 0        | 0        |          |
| ISO 4406(c) | 22/21/19 | 19/16/12 | 22/18/13 | 19/17/14 |

#### OIL CONDITION

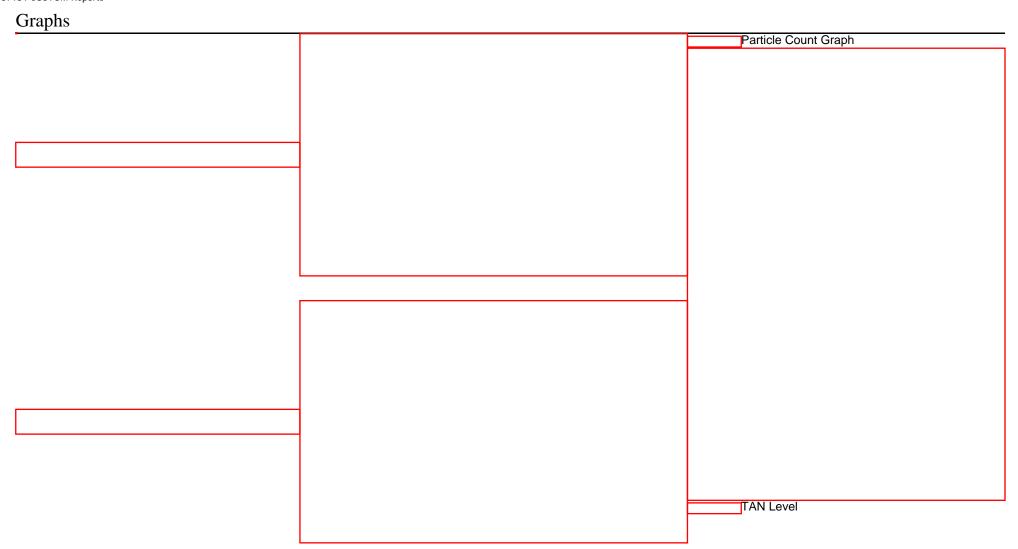
Oil Type: 45 GAL of SUNOCO SUNVIS 846

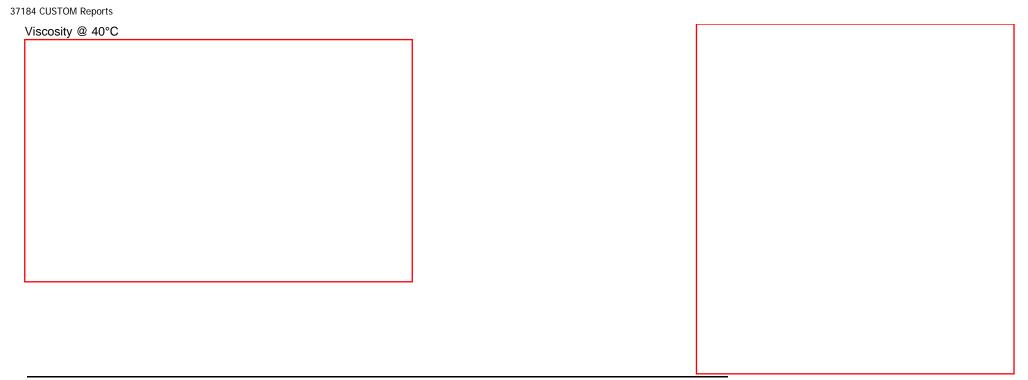
| Sample Date | 05/23/05 | 06/10/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.3      | 0.5      | 0.0     |      |
| Barium      | 0.1      | 0.0      | 0.0     |      |
| Calcium     | 40       | 40       | 45      |      |
| Magnesium   | 0.5      | 0.4      | 0.0     |      |
| Molybdenum  | 0.0      | 0.1      | 0.0     |      |
| Sodium      | 0.2      | 0.7      | 0.2     |      |
| Phosphorus  | 314      | 319      | 333     |      |
| Sulfur      | 1469     | 1461     | 1808    |      |
| Zinc        | 360      | 368      | 400     |      |
| Visc@40°C   | 45.3     | 45.5     | 45.8    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.46     | 0.45     | 0.345   |      |

| IBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 05/23/05 | 06/10/06 | Current | Abn |
| Iron        | 1.4      | 1.5      | 1.3     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.1      | 0.2      | 0.1     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 6.4      | 6.5      | 5.5     | 20  |
| Aluminum    | 0.0      | 0.0      | 0.0     | 20  |
| Tin         | 0.0      | 0.2      | 0.0     | 20  |
| Lead        | 0.0      | 0.3      | 0.0     | 20  |
| Silver      | 0.0      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385700 - Pg. 1

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If you have any questions concerning this sample report (work order no 01385700) please call 1-800-268-2131.



ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

Report ID - HAL440BEL [WCAMIS] 01385700 - Pg. 2



### INDUSTRIAL OIL ANALYSIS REPORT

## GT MACHINE SUPER STAKER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : HAC064A Time on Unit : 0 hrs
Comp Make : PARKER Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729547 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor.

#### CONTAMINATION

There is a moderate amount of silt (particulates 2 to 5 microns in size) present in the oil.

| Sample Date | 05/23/05 | 06/10/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 0.5      | 0.7      | 0.7      |          |
| Potassium   | 0.4      | 1.4      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 6667     | 8843     | 10494    | 5000     |
| >6µm(c)     | 2513     | 2617     | 1093     | 1300     |
| >14µm(c)    | 470      | 143      | 79       | 160      |
| >21µm(c)    | 143      | 18       | 20       |          |
| >38µm(c)    | 19       | 2        | 1        |          |
| >70µm(c)    | 4        | 0        | 0        |          |
| ISO 4406(c) | 20/19/16 | 20/19/14 | 21/17/13 | 19/17/14 |

#### OIL CONDITION

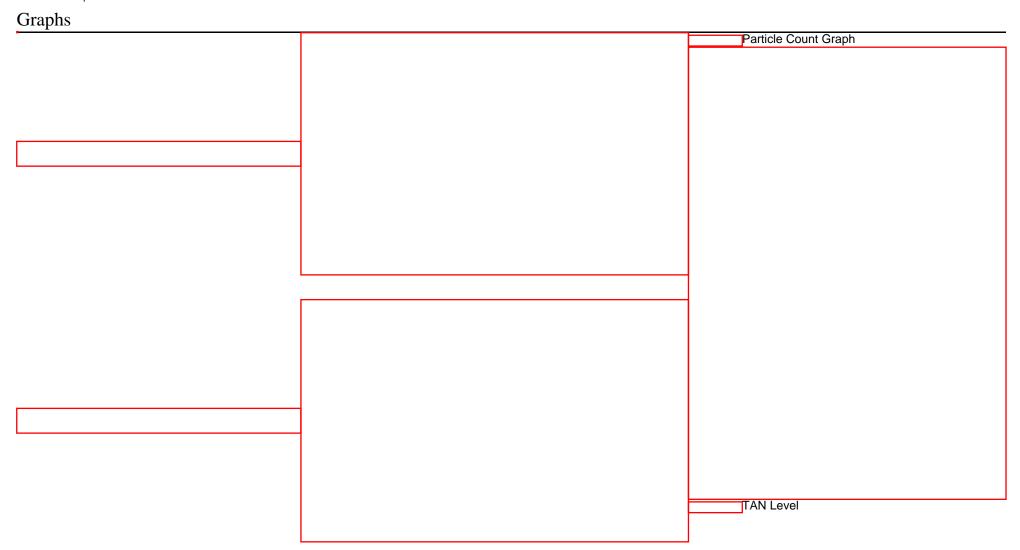
Oil Type: 30 GAL of SUNOCO SUNVIS 846

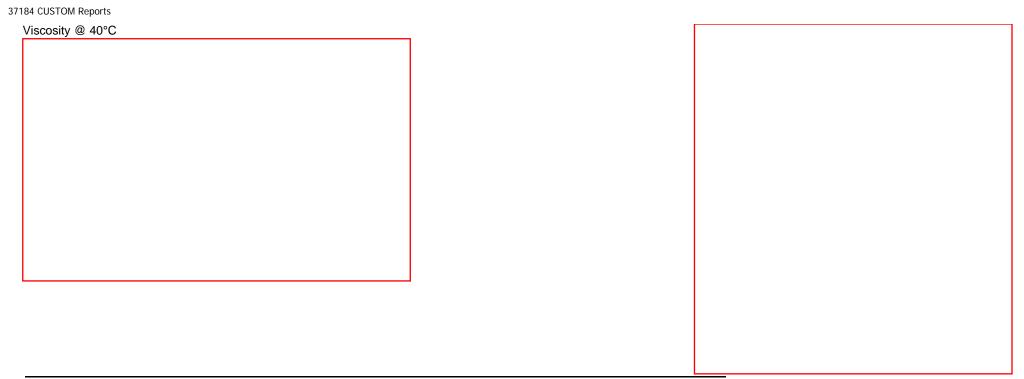
| Sample Date | 05/23/05 | 06/10/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 1.8      | 2.4      | 0.9     |      |
| Barium      | 0.2      | 0.1      | 0.1     |      |
| Calcium     | 90       | 90       | 86      |      |
| Magnesium   | 18       | 16       | 14      |      |
| Molybdenum  | 0.1      | 0.1      | 0.0     |      |
| Sodium      | 0.0      | 0.0      | 1.6     |      |
| Phosphorus  | 339      | 330      | 354     |      |
| Sulfur      | 777      | 782      | 1091    |      |
| Zinc        | 395      | 404      | 432     |      |
| Visc@40°C   | 42.9     | 43.7     | 43.6    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.46     | 0.36     | 0.298   |      |

|                           |             | TBN         |          |          |         |     |
|---------------------------|-------------|-------------|----------|----------|---------|-----|
| VEAR                      |             | Sample Date | 05/23/05 | 06/10/06 | Current | Abn |
| ll component wear rates a | are normal. | Iron        | 2.       | 2 2.5    | 2.5     | 20  |
|                           |             | Nickel      | 0.       | 0.0      | 0.0     | 20  |
|                           |             | Chromium    | 0.       | 0.0      | 0.0     | 20  |
|                           |             | Titanium    | 0.       | 0.0      | 0.0     |     |
|                           |             | Copper      | 2        | 4 25     | 22      | 20  |
|                           |             | Aluminum    | 0.       | 8 0.7    | 0.3     | 20  |
|                           |             | Tin         | 0.       | 4 0.4    | 0.0     | 20  |
|                           |             | Lead        | 0.       | 2 0.8    | 0.0     | 20  |
|                           |             | Silver      | 0.       | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385701 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385701 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350



#### INDUSTRIAL OIL ANALYSIS REPORT

## BENDCO UPN BENDER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : HAC055A Time on Unit : 0 hrs

Comp Make : PARKER Cust. Ref No. : {n/a} Time on Oil : 0 hrs

Comp Model : N/A Stub No. : WC-729546 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor.

#### CONTAMINATION

There is a moderate amount of silt (particulates 2 to 5 microns in size) present in the oil.

| Sample Date | 05/27/05 | 06/10/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 0.5      | 2.3      | 0.6      |          |
| Potassium   | 0.0      | 2.2      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 32336    | 17018    | 5137     | 5000     |
| >6µm(c)     | 23351    | 8273     | 980      | 1300     |
| >14µm(c)    | 7759     | 842      | 81       | 160      |
| >21µm(c)    | 2370     | 80       | 25       |          |
| >38µm(c)    | 96       | 4        | 3        |          |
| >70µm(c)    | 4        | 0        | 0        |          |
| ISO 4406(c) | 22/22/20 | 21/20/17 | 20/17/14 | 19/17/14 |

#### OIL CONDITION

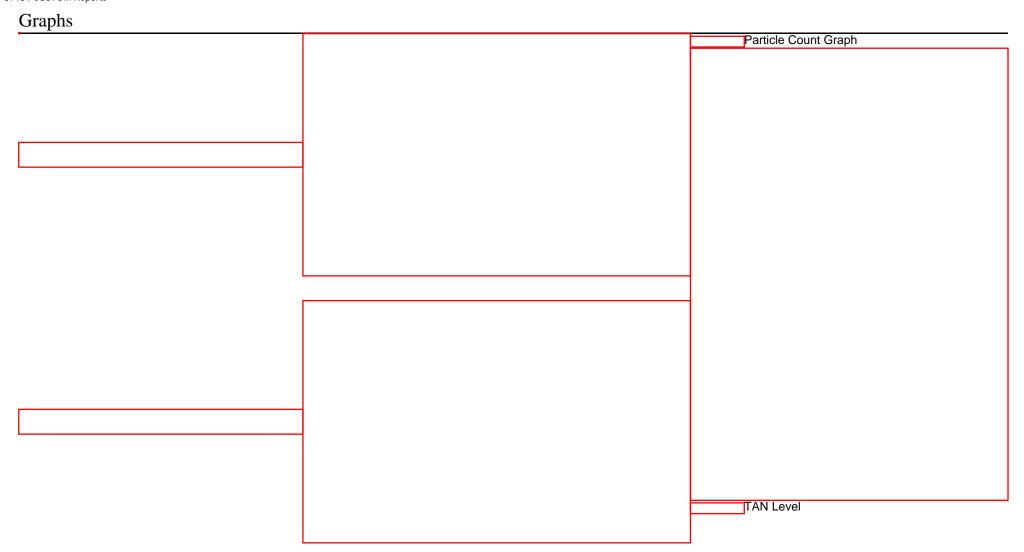
Oil Type: 50 GAL of SUNOCO SUNVIS 846

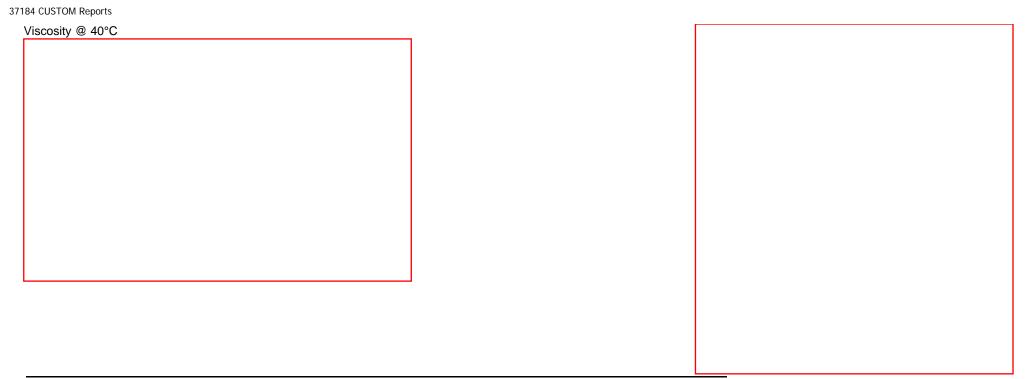
| Sample Date | 05/27/05 | 06/10/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.0      | 0.5      | 0.0     |      |
| Barium      | 0.2      | 0.0      | 0.0     |      |
| Calcium     | 52       | 52       | 53      |      |
| Magnesium   | 0.6      | 0.4      | 0.0     |      |
| Molybdenum  | 0.1      | 0.2      | 0.0     |      |
| Sodium      | 1.3      | 0.0      | 1.5     |      |
| Phosphorus  | 316      | 312      | 331     |      |
| Sulfur      | 2053     | 2099     | 2350    |      |
| Zinc        | 395      | 418      | 430     |      |
| Visc@40°C   | 44.9     | 44.8     | 44.7    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.45     | 0.40     | 0.290   |      |

| IBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 05/27/05 | 06/10/06 | Current | Abn |
| Iron        | 0.7      | 0.8      | 0.7     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.0      | 0.1      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 3.1      | 3.8      | 4.6     | 20  |
| Aluminum    | 0.0      | 0.0      | 0.0     | 20  |
| Tin         | 0.0      | 0.0      | 0.0     | 20  |
| Lead        | 0.0      | 0.3      | 0.0     | 20  |
| Silver      | 0.0      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385702 - Pg. 1

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ATTN: CHRIS BRANDSMA

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440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

HALLA CLIMATE CONTROL CANADA INC.

Report ID - HAL440BEL [WCAMIS] 01385702 - Pg. 2



#### INDUSTRIAL OIL ANALYSIS REPORT

## LOMAR CRIMPER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : HAL181 Time on Unit : 0 hrs

Comp Make : PARKER Cust. Ref No. : {n/a} Time on Oil : 0 hrs

Comp Model : N/A Stub No. : WC-729562 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

#### CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

| Sample Date | 06/11/05 | 06/16/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 3.3      | 4.0      | 1.4      |          |
| Potassium   | 0.8      | 0.1      | 0.0      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 9693     | 10495    | 17030    | 5000     |
| >6µm(c)     | 1722     | 4529     | 5202     | 1300     |
| >14µm(c)    | 39       | 361      | 333      | 160      |
| >21µm(c)    | 11       | 24       | 60       |          |
| >38µm(c)    | 2        | 2        | 5        |          |
| >70µm(c)    | 0        | 0        | 0        |          |
| ISO 4406(c) | 20/18/12 | 21/19/16 | 21/20/16 | 19/17/14 |

#### OIL CONDITION

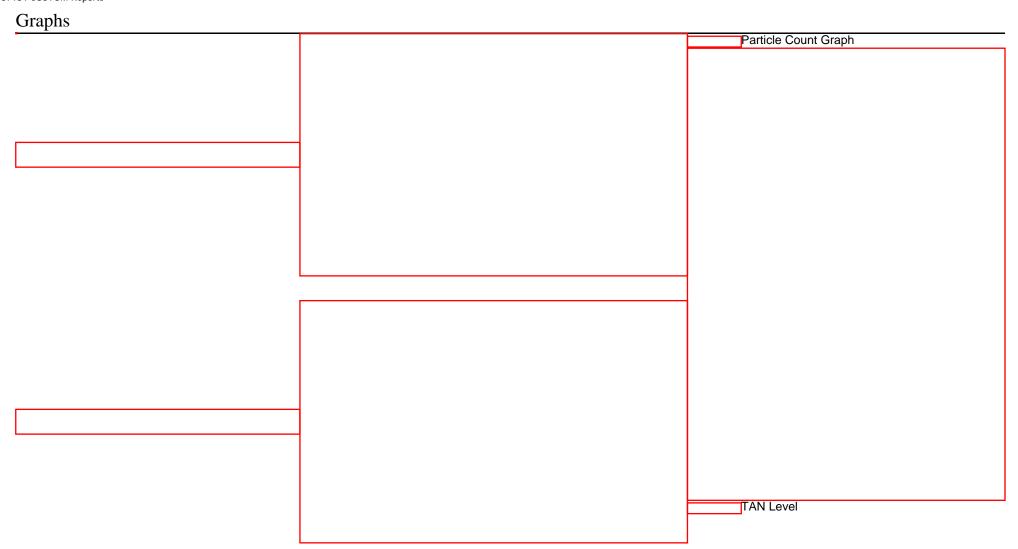
Oil Type: 40 GAL of SUNOCO SUNVIS 846

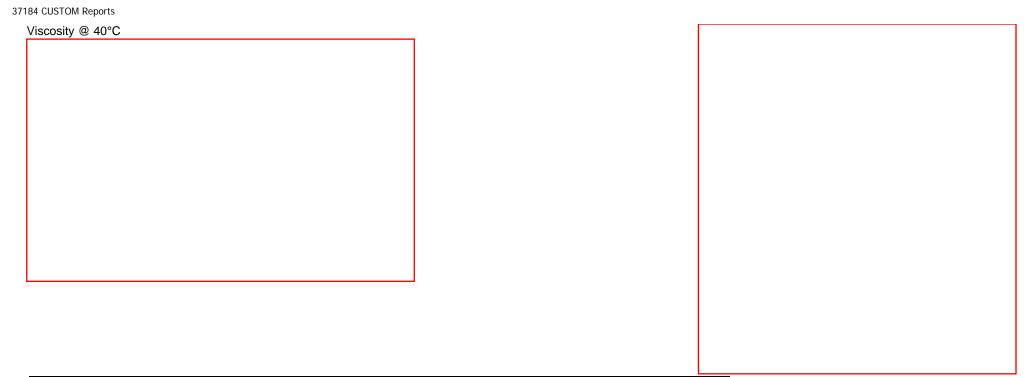
| Sample Date | 06/11/05 | 06/16/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.3      | 0.4      | 0.0     |      |
| Barium      | 0.3      | 0.0      | 0.1     |      |
| Calcium     | 51       | 50       | 49      |      |
| Magnesium   | 4.9      | 1.2      | 0.0     |      |
| Molybdenum  | 0.2      | 0.0      | 0.0     |      |
| Sodium      | 2.0      | 0.0      | 1.2     |      |
| Phosphorus  | 379      | 330      | 328     |      |
| Sulfur      | 1200     | 2066     | 2139    |      |
| Zinc        | 348      | 426      | 434     |      |
| Visc@40°C   | 39.8     | 44.5     | 44.5    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.41     | 0.34     | 0.259   |      |

| TBN         |          |     |        |         |     |
|-------------|----------|-----|--------|---------|-----|
| Sample Date | 06/11/05 | 06  | /16/06 | Current | Abn |
| Iron        | 2        | 2.6 | 0.7    | 0.7     | 20  |
| Nickel      | (        | 0.0 | 0.0    | 0.0     | 20  |
| Chromium    | (        | 0.0 | 0.0    | 0.0     | 20  |
| Titanium    | (        | 0.0 | 0.0    | 0.0     |     |
| Copper      | 4        | 5.0 | 2.4    | 2.4     | 20  |
| Aluminum    | (        | ).1 | 0.1    | 0.0     | 20  |
| Tin         | (        | 0.0 | 0.2    | 0.0     | 20  |
| Lead        | (        | ).1 | 0.6    | 0.0     | 20  |
| Silver      | (        | 0.0 | 0.9    | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385703 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385703 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

## CONTAMINATION OIL CONDITION WEAR

NORMAL ATTENTION NORMAL

#### INDUSTRIAL OIL ANALYSIS REPORT

## PROFORM 2003 ENFN BENDER - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : PCM420 Time on Unit : 0 hrs
Comp Make : PARKER Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729553 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor.

#### CONTAMINATION

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

| Sample Date | 05/27/05 | 06/16/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 0.4      | 1.7      | 0.6      |          |
| Potassium   | 0.0      | 0.0      | 0.3      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 5019     | 14150    | 1687     | 5000     |
| >6µm(c)     | 779      | 5916     | 381      | 1300     |
| >14µm(c)    | 66       | 584      | 33       | 160      |
| >21µm(c)    | 16       | 43       | 11       |          |
| >38µm(c)    | 3        | 5        | 1        |          |
| >70µm(c)    | 0        | 0        | 0        |          |
| ISO 4406(c) | 20/17/13 | 21/20/16 | 18/16/12 | 19/17/14 |

#### OIL CONDITION

Oil Type: 60 GAL of SUNOCO SUNVIS 846

The condition of oil is suitable for further service. Additive levels indicate the addition of a different brand, or type of oil.

| Sample Date | 05/27/05 | 06/16/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.3      | 0.3      | 0.0     |      |
| Barium      | 1.4      | 1.2      | 0.0     |      |
| Calcium     | 66       | 67       | 93      |      |
| Magnesium   | 0.5      | 0.1      | 1.4     |      |
| Molybdenum  | 0.1      | 0.0      | 0.0     |      |
| Sodium      | 2.5      | 1.0      | 0.0     |      |
| Phosphorus  | 297      | 282      | 383     |      |
| Sulfur      | 879      | 740      | 5402    |      |
| Zinc        | 353      | 352      | 487     |      |
| Visc@40°C   | 40.5     | 40.0     | 43.4    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.44     | 0.39     | 0.391   |      |

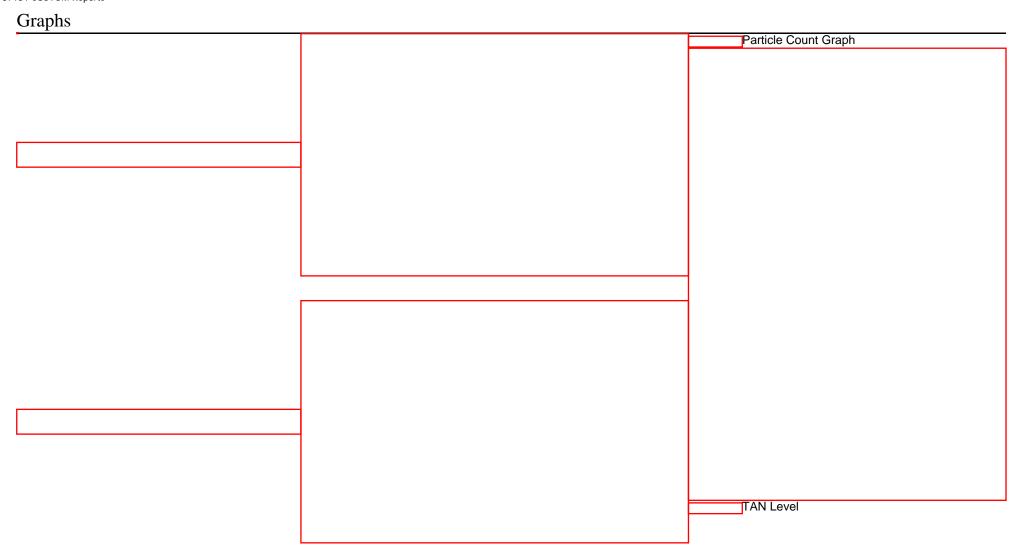
WEAR

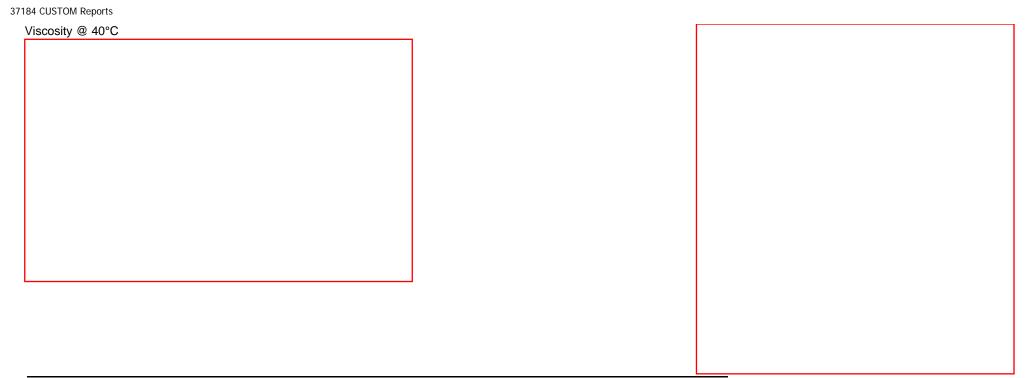
All component wear rates are normal.

| TBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 05/27/05 | 06/16/06 | Current | Abn |
| Iron        | 0.9      | 1.3      | 0.0     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.6      | 0.5      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 15       | 5 21     | 0.0     | 20  |
| Aluminum    | 0.0      | 0.0      | 0.0     | 20  |
| Tin         | 0.0      | 0.0      | 0.0     | 20  |
| Lead        | 1.0      | 2.1      | 0.0     | 20  |
| Silver      | 0.1      | 0.1      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385704 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385704 - Pg. 2



### INDUSTRIAL OIL ANALYSIS REPORT

## LAKELAND CAN ASSEMBLY - Hydraulic System

Unit Make : N/A Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : N/A Serial No: : 300722543 Time on Unit : 0 hrs
Comp Make : MONARCH Cust. Ref No. : {n/a} Time on Oil : 0 hrs
Comp Model : N/A Stub No. : WC-729561 Time on Filter : 0 hrs

RECOMMENDATION

Diagnostician: Barry Goslin

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

### CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

| Sample Date | 06/11/05 | 06/16/06 | Current  | Abn      |
|-------------|----------|----------|----------|----------|
| Silicon     | 0.8      | 2.5      | 4.2      |          |
| Potassium   | 0.4      | 0.0      | 0.6      |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1    |          |
| >4µm(c)     | 36479    | 19293    | 45587    | 5000     |
| >6µm(c)     | 26668    | 10207    | 23980    | 1300     |
| >14µm(c)    | 5362     | 1169     | 1999     | 160      |
| >21µm(c)    | 694      | 109      | 212      |          |
| >38µm(c)    | 7        | 5        | 9        |          |
| >70µm(c)    | 0        | 0        | 0        |          |
| ISO 4406(c) | 22/22/20 | 21/21/17 | 23/22/18 | 19/17/14 |

# OIL CONDITION

Oil Type: 30 GAL of SUNOCO SUNVIS 846

| Sample Date | 06/11/05 | 06/16/06 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 0.1      | 0.0      | 0.0     |      |
| Barium      | 0.1      | 0.0      | 0.0     |      |
| Calcium     | 50       | 50       | 52      |      |
| Magnesium   | 0.7      | 0.0      | 0.0     |      |
| Molybdenum  | 0.1      | 0.0      | 0.0     |      |
| Sodium      | 0.0      | 0.0      | 0.6     |      |
| Phosphorus  | 330      | 317      | 357     |      |
| Sulfur      | 1678     | 1634     | 1910    |      |
| Zinc        | 412      | 414      | 449     |      |
| Visc@40°C   | 41.6     | 41.8     | 41.9    | 46.0 |
| Visc@100°C  |          |          |         | 6.91 |
| Oxidation   |          |          |         |      |
| TAN         | 0.33     | 0.39     | 0.317   |      |

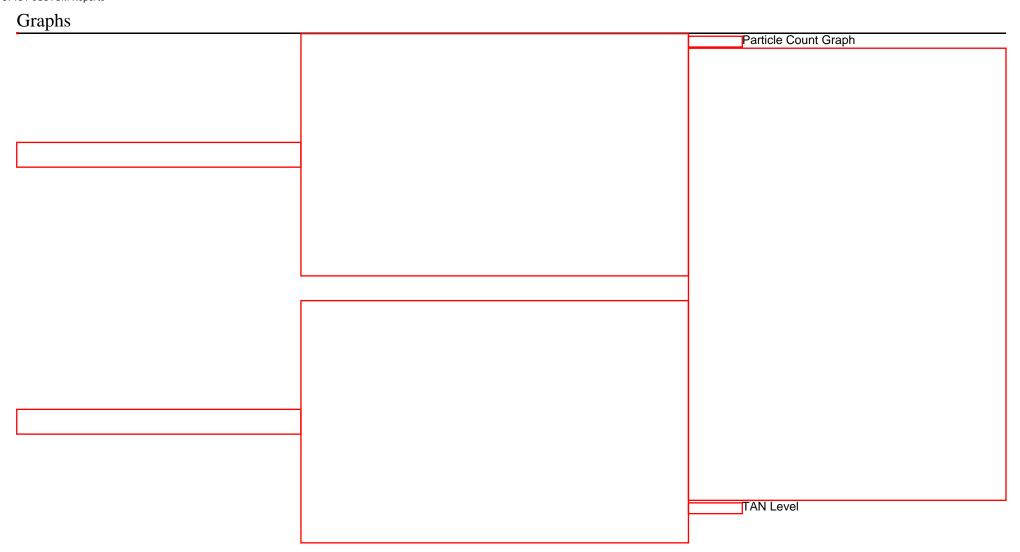
WEAR

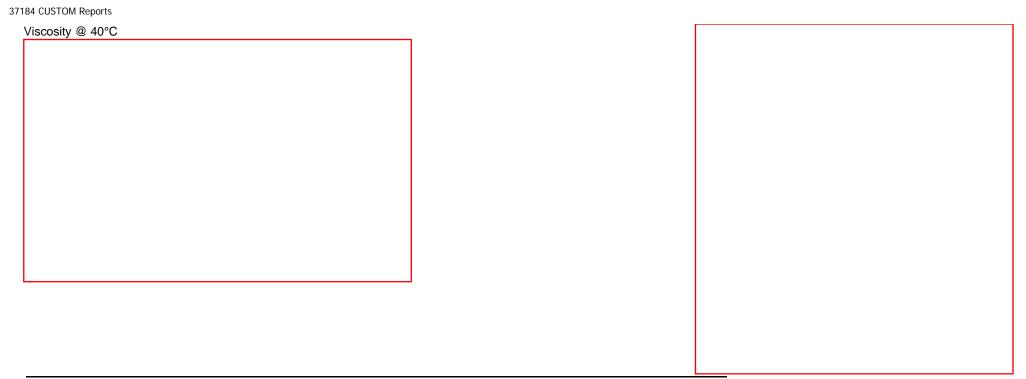
All component wear rates are normal.

| IBN         |          |          |         |     |
|-------------|----------|----------|---------|-----|
| Sample Date | 06/11/05 | 06/16/06 | Current | Abn |
| Iron        | 0.4      | 0.2      | 0.4     | 20  |
| Nickel      | 0.0      | 0.0      | 0.0     | 20  |
| Chromium    | 0.0      | 0.0      | 0.0     | 20  |
| Titanium    | 0.0      | 0.0      | 0.0     |     |
| Copper      | 4.7      | 7.6      | 8.3     | 20  |
| Aluminum    | 0.4      | 0.5      | 0.5     | 20  |
| Tin         | 0.0      | 0.0      | 0.0     | 20  |
| Lead        | 0.0      | 0.0      | 0.0     | 20  |
| Silver      | 0.0      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385706 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385706 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350



HAC 013B - Left Pump

Unit Make : STOKES Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : 149-11 Serial No: :  $\{n/a\}$  Time on Unit : 0 hrs Comp Make : N/A Cust. Ref No. :  $\{n/a\}$  Time on Oil : 0 hrs Comp Model : N/A Stub No. : WC-729593 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn      |
|-------------|----------|----------|---------|----------|
| Silicon     | 13       | 3.2      | 4.9     |          |
| Potassium   | 0.0      | 0.0      | 0.0     |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |          |
| >4µm(c)     |          |          |         | 5000     |
| >6µm(c)     |          | 9984     |         | 1300     |
| >14µm(c)    |          | 1642     |         | 160      |
| >21µm(c)    |          | 55       |         |          |
| >38µm(c)    |          | 4        |         |          |
| >70µm(c)    |          | 1        |         |          |
| ISO 4406(c) |          | 20/18    |         | 19/17/14 |

### OIL CONDITION

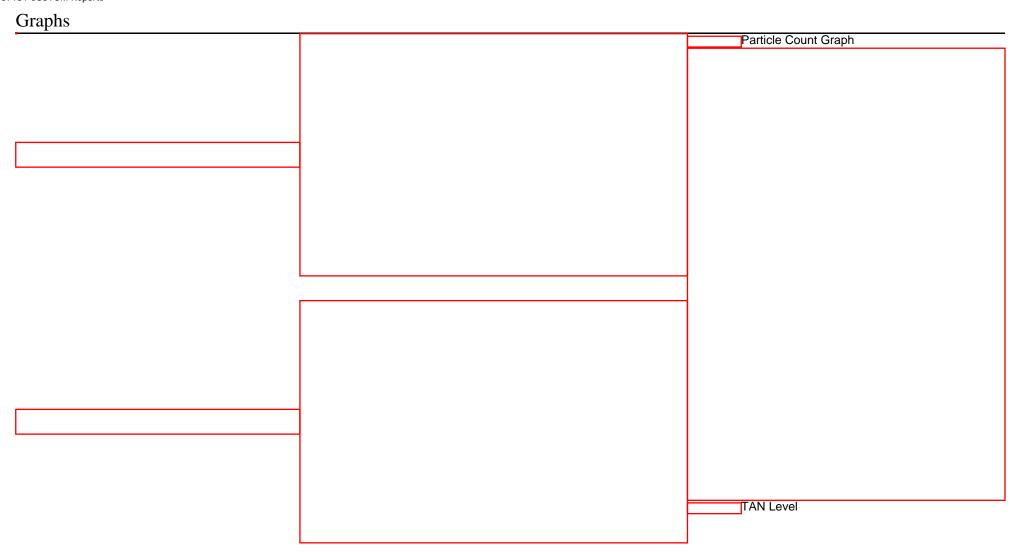
Oil Type: TRIBOL HYDRAULIC 943AW-68

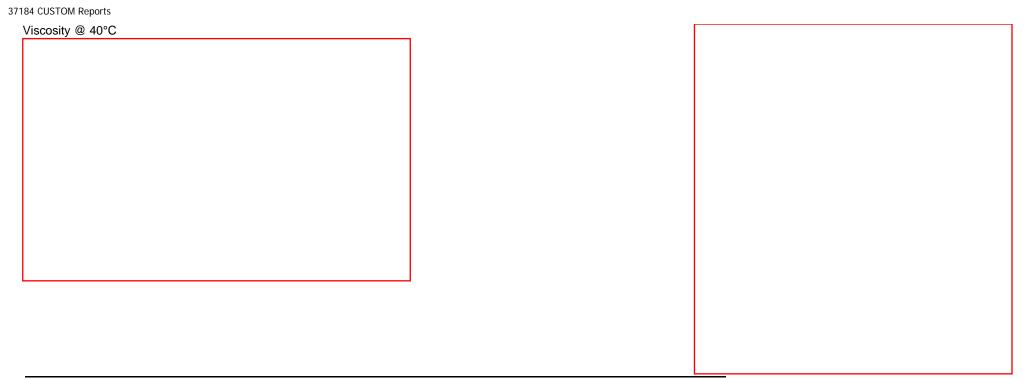
| Sample Date | 11/13/04 | 05/27/05 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 2.6      | 0.0      | 1.4     |      |
| Barium      | 0.0      | 0.1      | 0.0     |      |
| Calcium     | 0.0      | 4.8      | 0.0     |      |
| Magnesium   | 0.1      | 0.2      | 0.0     |      |
| Molybdenum  | 0.0      | 0.2      | 0.0     |      |
| Sodium      | 0.1      | 0.0      | 0.0     |      |
| Phosphorus  | 452      | 39       | 461     |      |
| Sulfur      | 816      | 1258     | 875     |      |
| Zinc        | 0.7      | 21       | 0.1     |      |
| Visc@40°C   | 71.5     | 52.7     | 67.7    | 68   |
| Visc@100°C  |          |          |         | 8.7  |
| Oxidation   |          |          |         |      |
| TAN         | 0.150    | 0.07     | 0.177   |      |

|                           |            | TBN         |          |          |         |     |
|---------------------------|------------|-------------|----------|----------|---------|-----|
| VEAR                      |            | Sample Date | 11/13/04 | 05/27/05 | Current | Abn |
| l component wear rates ar | re normal. | Iron        | 2        | 2.0      | 1.4 0.0 | 20  |
|                           |            | Nickel      | (        | ).1      | 0.0     | 20  |
|                           |            | Chromium    | (        | ).1 (    | 0.0     | 20  |
|                           |            | Titanium    | (        | 0.0      | 0.0     |     |
|                           |            | Copper      | (        | ).2      | 0.6     | 20  |
|                           |            | Aluminum    | (        | 0.0      | 0.0     | 20  |
|                           |            | Tin         | (        | 0.0      | 0.0     | 20  |
|                           |            | Lead        | (        | 0.0      | 0.0     | 20  |
|                           |            | Silver      | (        | ).3      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385714 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385714 - Pg. 2

ATTN: CHRIS BRANDSMA HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

HAC 013B - Right Blower

Unit Make : STOKES Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : 306-401 Serial No: : {n/a} Time on Unit : 0 hrs

Comp Make : N/A Cust. Ref No. : {n/a} Time on Oil : 0 hrs

Comp Model : N/A Stub No. : WC-729594 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn      |
|-------------|----------|----------|---------|----------|
| Silicon     | 2.3      | 7.2      | 2.0     |          |
| Potassium   | 0.0      | 0.0      | 0.0     |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |          |
| >4µm(c)     |          | 36362    |         | 2500     |
| >6µm(c)     |          | 25227    |         | 640      |
| >14µm(c)    |          | 4496     |         | 80       |
| >21µm(c)    |          | 662      |         |          |
| >38µm(c)    |          | 20       |         |          |
| >70µm(c)    |          | 2        |         |          |
| ISO 4406(c) |          | 22/22/19 |         | 18/16/13 |

### OIL CONDITION

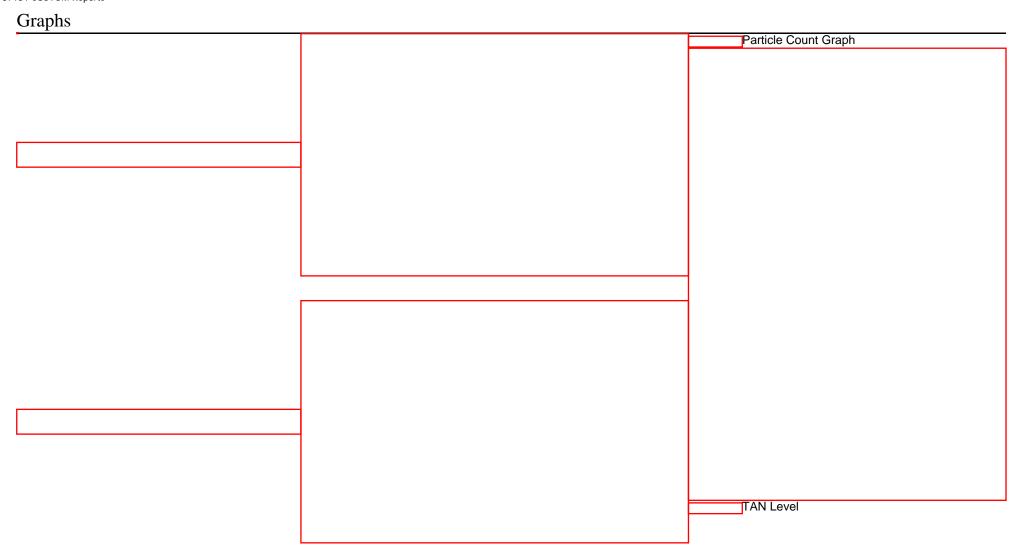
Oil Type: LEYBOLD HE-200

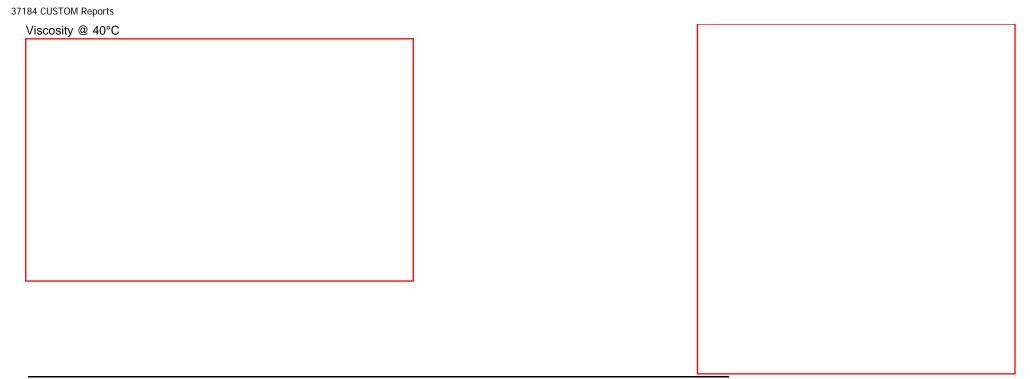
| 13O 4400(C) |          |          |         | 16/10/13 |
|-------------|----------|----------|---------|----------|
| Sample Date | 11/13/04 | 05/27/05 | Current | Base     |
| Boron       | 1.9      | 0.0      | 0.7     |          |
| Barium      | 0.1      | 0.1      | 0.0     |          |
| Calcium     | 0.5      | 4.8      | 0.4     |          |
| Magnesium   | 0.1      | 0.3      | 0.0     |          |
| Molybdenum  | 0.0      | 0.2      | 0.0     |          |
| Sodium      | 0.1      | 0.0      | 0.0     |          |
| Phosphorus  | 0.0      | 55       | 0.2     |          |
| Sulfur      | 1319     | 1232     | 472     |          |
| Zinc        | 1.4      | 20       | 0.8     |          |
| Visc@40°C   | 52.2     | 52.7     | 60.7    | 58       |
| Visc@100°C  |          |          |         | 9.1      |
| Oxidation   |          |          |         |          |
| TAN         | 0.040    | 0.05     | 0.019   |          |

|                                   |           | TBN       |         |          |         |     |
|-----------------------------------|-----------|-----------|---------|----------|---------|-----|
| WEAR                              | Sample    | e Date 11 | 1/13/04 | 05/27/05 | Current | Abn |
| All component wear rates are norm | nal. Iron |           | 4.5     | 3.4      | 1.6     | 20  |
|                                   | Nickel    |           | 0.0     | 0.0      | 0.0     | 20  |
|                                   | Chrom     | ium       | 0.0     | 0.0      | 0.0     | 20  |
|                                   | Titaniu   | m         | 0.0     | 0.0      | 0.0     |     |
|                                   | Copper    | •         | 0.0     | 0.5      | 0.0     | 20  |
|                                   | Alumir    | num       | 0.0     | 0.1      | 0.0     | 20  |
|                                   | Tin       |           | 0.0     | 0.0      | 0.0     | 20  |
|                                   | Lead      |           | 0.0     | 0.0      | 0.0     | 20  |
|                                   | Silver    |           | 0.2     | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385715 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385715 - Pg. 2



HAC 013B - Right Pump

Unit Make : STOKES Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : 149-11 Serial No: :  $\{n/a\}$  Time on Unit : 0 hrs Comp Make : N/A Cust. Ref No. :  $\{n/a\}$  Time on Oil : 0 hrs Comp Model : N/A Stub No. : WC-729592 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn      |
|-------------|----------|----------|---------|----------|
| Silicon     | 20       | 37       | 9.6     |          |
| Potassium   | 0.0      | 1.0      | 0.0     |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |          |
| >4µm(c)     |          |          |         | 5000     |
| >6µm(c)     |          |          |         | 1300     |
| >14µm(c)    |          |          |         | 160      |
| >21µm(c)    |          |          |         |          |
| >38µm(c)    |          |          |         |          |
| >70µm(c)    |          |          |         |          |
| ISO 4406(c) |          |          |         | 19/17/14 |

### OIL CONDITION

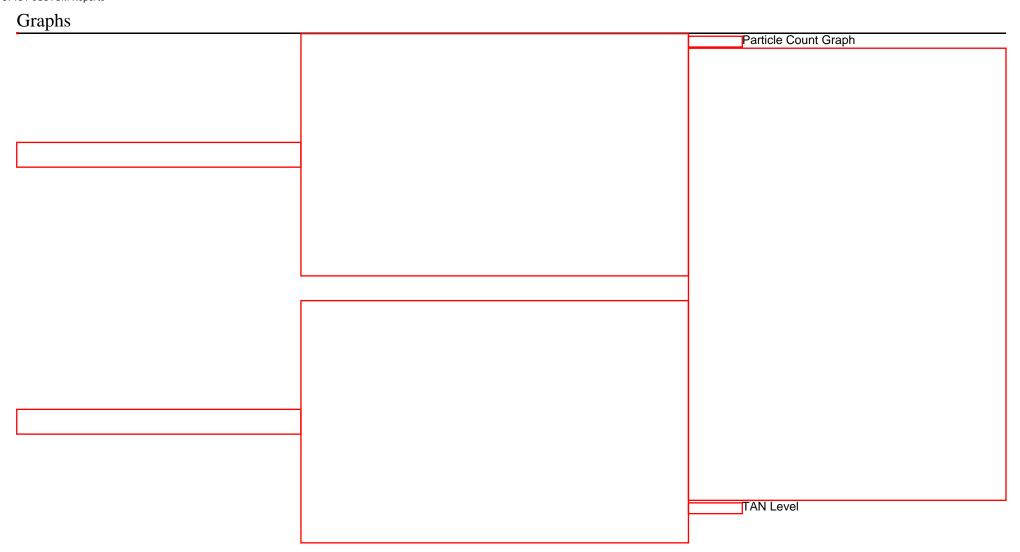
Oil Type: TRIBOL HYDRAULIC 943AW-68

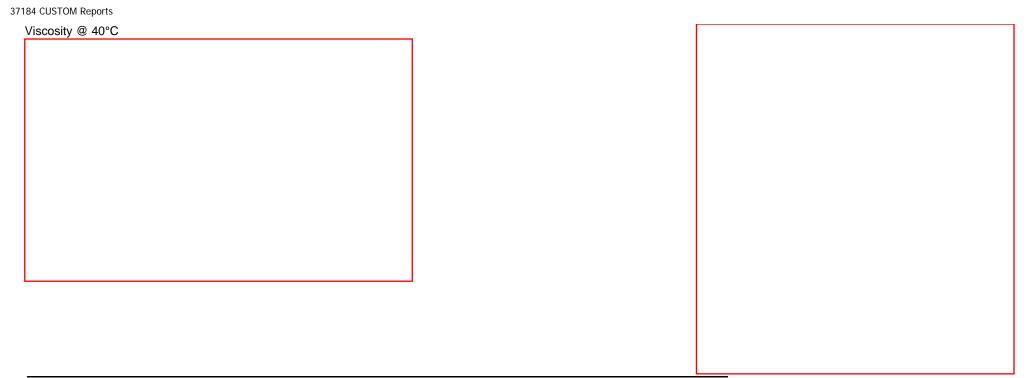
| Sample Date | 11/13/04 | 05/27/05 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 4.1      | 3.5      | 1.4     |      |
| Barium      | 0.0      | 0.1      | 0.0     |      |
| Calcium     | 0.6      | 0.7      | 0.1     |      |
| Magnesium   | 0.2      | 0.0      | 0.0     |      |
| Molybdenum  | 0.0      | 0.1      | 0.0     |      |
| Sodium      | 0.6      | 0.0      | 0.0     |      |
| Phosphorus  | 476      | 475      | 476     |      |
| Sulfur      | 883      | 882      | 907     |      |
| Zinc        | 2.2      | 1.4      | 0.7     |      |
| Visc@40°C   | 66.6     | 67.5     | 67.3    | 68   |
| Visc@100°C  |          |          |         | 8.7  |
| Oxidation   |          |          |         |      |
| TAN         | 0.200    | 0.25     | 0.139   |      |

|                                      | TBN         |          |          |         | -   |
|--------------------------------------|-------------|----------|----------|---------|-----|
| WEAR                                 | Sample Date | 11/13/04 | 05/27/05 | Current | Abn |
| All component wear rates are normal. | Iron        | 5.4      | 4.9      | 2.3     | 20  |
|                                      | Nickel      | 0.1      | 0.0      | 0.0     | 20  |
|                                      | Chromium    | 0.1      | 0.0      | 0.0     | 20  |
|                                      | Titanium    | 0.0      | 0.0      | 0.0     |     |
|                                      | Copper      | 0.6      | 0.1      | 0.1     | 20  |
|                                      | Aluminum    | 0.0      | 0.3      | 0.0     | 20  |
|                                      | Tin         | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Lead        | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Silver      | 0.3      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385716 - Pg. 1

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Report ID - HAL440BEL [WCAMIS] 01385716 - Pg. 2



HRD 518 - Right Blower

Unit Make : LEYBOLD Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model : WSU 501 Serial No: : 2000000002 Time on Unit : 0 hrs

Comp Make : N/A Cust. Ref No. : {n/a} Time on Oil : 0 hrs

Comp Model : N/A Stub No. : WC-729598 Time on Filter : 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn      |
|-------------|----------|----------|---------|----------|
| Silicon     | 3.6      | 1.4      | 1.1     |          |
| Potassium   | 0.0      | 0.0      | 0.0     |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |          |
| >4µm(c)     |          |          |         | 2500     |
| >6µm(c)     |          | 569      |         | 640      |
| >14µm(c)    |          | 71       |         | 80       |
| >21µm(c)    |          | 5        |         |          |
| >38µm(c)    |          | 0        |         |          |
| >70µm(c)    |          | 0        |         |          |
| ISO 4406(c) |          | 16/13    |         | 18/16/13 |

### OIL CONDITION

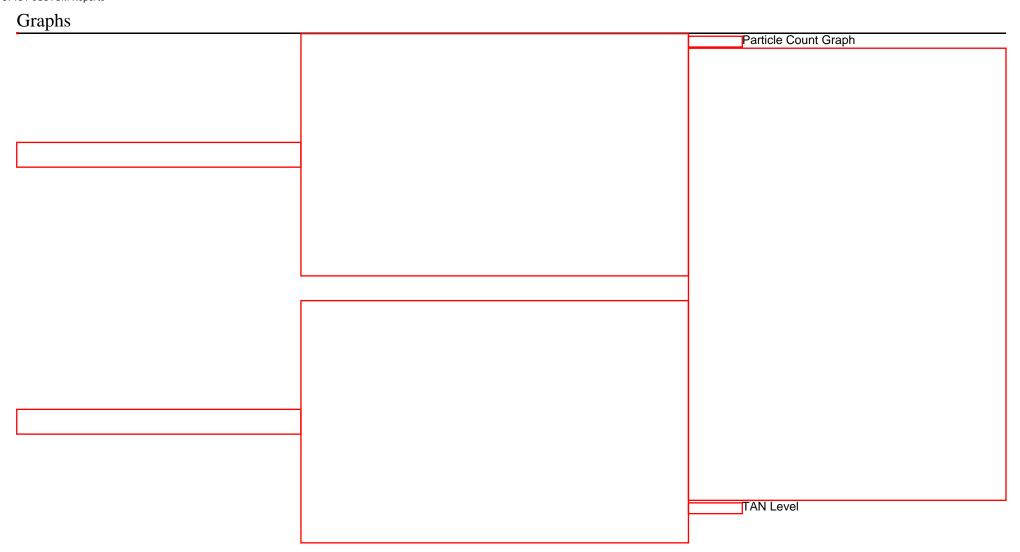
Oil Type: LEYBOLD HE-200

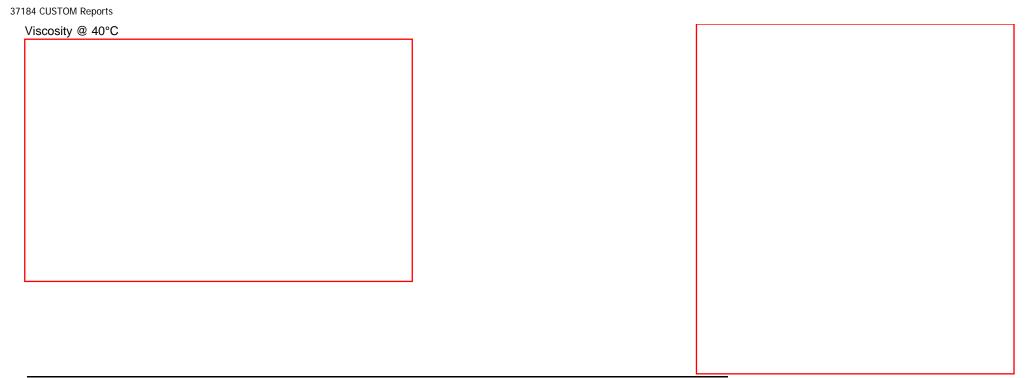
| 13O 4400(C) |          | 10/13    |         | 10/10/13 |
|-------------|----------|----------|---------|----------|
| Sample Date | 11/13/04 | 05/27/05 | Current | Base     |
| Boron       | 2.6      | 0.8      | 0.7     |          |
| Barium      | 4.1      | 1.2      | 0.0     |          |
| Calcium     | 3.8      | 2.0      | 0.2     |          |
| Magnesium   | 0.2      | 0.1      | 0.0     |          |
| Molybdenum  | 0.0      | 0.0      | 0.0     |          |
| Sodium      | 0.7      | 1.2      | 0.0     |          |
| Phosphorus  | 5.2      | 1.5      | 1.1     |          |
| Sulfur      | 1342     | 1500     | 767     |          |
| Zinc        | 4.2      | 1.6      | 0.1     |          |
| Visc@40°C   | 92.8     | 74.9     | 59.4    | 58       |
| Visc@100°C  |          |          |         | 9.1      |
| Oxidation   |          |          |         |          |
| TAN         | 0.090    | 0.08     | 0.214   |          |

|                                      | TBN         |          |          |         |     |
|--------------------------------------|-------------|----------|----------|---------|-----|
| WEAR                                 | Sample Date | 11/13/04 | 05/27/05 | Current | Abn |
| All component wear rates are normal. | Iron        | 2.2      | 1.3      | 0.6     | 20  |
|                                      | Nickel      | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Chromium    | 0.2      | 0.0      | 0.0     | 20  |
|                                      | Titanium    | 0.0      | 0.0      | 0.0     |     |
|                                      | Copper      | 0.6      | 0.1      | 0.0     | 20  |
|                                      | Aluminum    | 0.0      | 0.1      | 0.0     | 20  |
|                                      | Tin         | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Lead        | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Silver      | 0.3      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385720 - Pg. 1

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ATTN: CHRIS BRANDSMA

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HALLA CLIMATE CONTROL CANADA INC. 440 COLLEGE STREET EAST P.O. BOX 575 BELLEVILLE, ON K8N 5B2 (613)969-1460 FAX (613)969-8350

Report ID - HAL440BEL [WCAMIS] 01385720 - Pg. 2

# INDUSTRIAL OIL ANALYSIS REPORT

HRD 504 - Blower

Unit Make : LEYBOLD Date Rec'd : May 29, 2007 Sample Date : May 25, 2007

Unit Model: WSU 501-HSerial No:: 1512Time on Unit: 0 hrsComp Make: N/ACust. Ref No.: {n/a}Time on Oil: 0 hrsComp Model: N/AStub No.: WC-729587Time on Filter: 0 hrs

#### RECOMMENDATION

Diagnostician: Barry Goslin

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### CONTAMINATION

There is no indication of any contamination in the component.

| Sample Date | 11/13/04 | 05/27/05 | Current | Abn      |
|-------------|----------|----------|---------|----------|
| Silicon     | 1.2      | 0.4      | 1.4     |          |
| Potassium   | 0.0      | 0.0      | 0.0     |          |
| Water (%)   | < 0.1    | < 0.1    | < 0.1   |          |
| >4µm(c)     |          | 1811     |         | 2500     |
| >6µm(c)     |          | 540      |         | 640      |
| >14µm(c)    |          | 79       |         | 80       |
| >21µm(c)    |          | 28       |         |          |
| >38µm(c)    |          | 4        |         |          |
| >70µm(c)    |          | 0        |         |          |
| ISO 4406(c) |          | 18/16/13 |         | 18/16/13 |

### OIL CONDITION

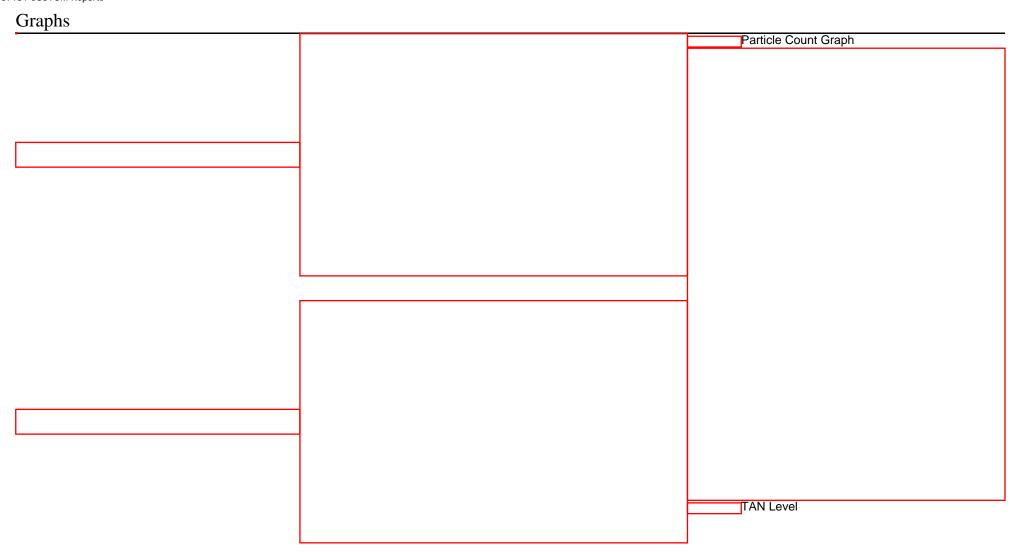
Oil Type: LEYBOLD HE-200

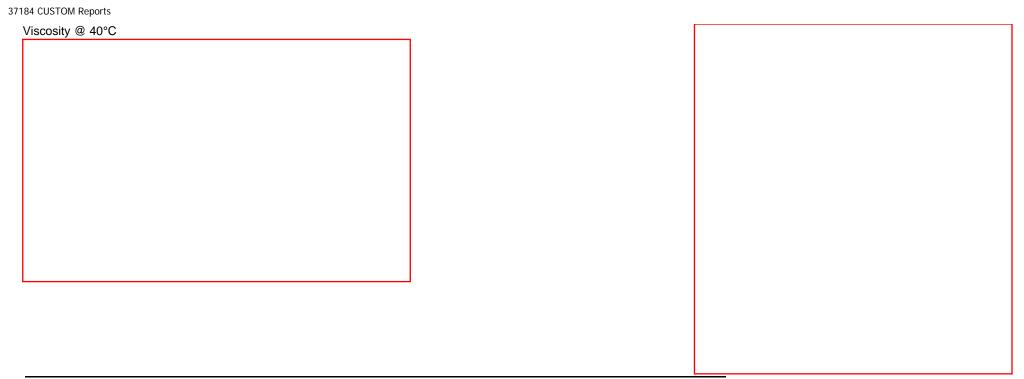
| Sample Date | 11/13/04 | 05/27/05 | Current | Base |
|-------------|----------|----------|---------|------|
| Boron       | 3.1      | 0.3      | 0.5     |      |
| Barium      | 0.1      | 0.0      | 0.0     |      |
| Calcium     | 113      | 1.9      | 0.6     |      |
| Magnesium   | 34       | 0.0      | 0.1     |      |
| Molybdenum  | 0.0      | 0.0      | 0.0     |      |
| Sodium      | 14       | 0.2      | 0.0     |      |
| Phosphorus  | 40       | 1.2      | 5.7     |      |
| Sulfur      | 1853     | 1533     | 1203    |      |
| Zinc        | 35       | 2.8      | 0.4     |      |
| Visc@40°C   | 64.6     | 67.0     | 57.5    | 58   |
| Visc@100°C  |          |          |         | 9.1  |
| Oxidation   |          |          |         |      |
| TAN         | 0.250    | 0.05     | 0.015   |      |

|                                      | TBN         |          |          |         |     |
|--------------------------------------|-------------|----------|----------|---------|-----|
| WEAR                                 | Sample Date | 11/13/04 | 05/27/05 | Current | Abn |
| All component wear rates are normal. | Iron        | 3.7      | 0.0      | 0.1     | 20  |
|                                      | Nickel      | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Chromium    | 0.1      | 0.0      | 0.0     | 20  |
|                                      | Titanium    | 0.0      | 0.0      | 0.0     |     |
|                                      | Copper      | 0.6      | 0.0      | 0.0     | 20  |
|                                      | Aluminum    | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Tin         | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Lead        | 0.0      | 0.0      | 0.0     | 20  |
|                                      | Silver      | 0.3      | 0.0      | 0.0     |     |

Report ID - HAL440BEL [WCAMIS] 01385723 - Pg. 1

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