

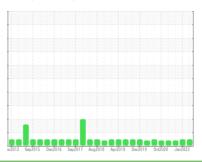
OIL ANALYSIS REPORT

AREA III [500302239] **GARNDER DENVER B1587 (S/N 23914)**

Component

Gearbox

ROYAL PURPLE SYNFILM GT 220 (1 GAL)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Sample Number | OAMBI E-MESSE | AATION | sc2012 Sep20 | | ug2018 Apr2019 Dec2019 Oct20 | | 14. |
|--|------------------|----------|--------------|------------|------------------------------|-------------|-------------|
| Client Info | SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Machine Age | Sample Number | | | | | | |
| Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A Not Changd Sample Status method limit base current history1 history2 Iron ppm ASTM D5185m >200 <1 0 <1 Chromium ppm ASTM D5185m >15 0 0 0 Nickel ppm ASTM D5185m >15 0 0 0 Silver ppm ASTM D5185m >15 0 0 0 Silver ppm ASTM D5185m >10 0 0 1 Aluminum ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >10 0 0 0 Tin ppm ASTM D5185m >25 1 1 1 Vanadium ppm ASTM D5185m 0 0 0 0 < | Sample Date | | Client Info | | 10 Jul 2023 | 20 Jan 2023 | 18 May 2021 |
| Oii Changed Cilient Info N/A N/A NORMAL NORMA | Machine Age | hrs | Client Info | | 0 | 0 | |
| NORMAL NORMAL NORMAL ATTENTION | Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| WEAR METALS | Oil Changed | | Client Info | | N/A | N/A | _ |
| | Sample Status | | | | NORMAL | NORMAL | ATTENTION |
| Chromium ppm ASTM D5185m >15 0 0 0 Nickel ppm ASTM D5185m >15 0 0 0 Titanium ppm ASTM D5185m >15 0 0 0 Silver ppm ASTM D5185m >25 1 1 <1 | WEAR METALS | | method | limit/base | current | history1 | history2 |
| Nickel | Iron | ppm | ASTM D5185m | >200 | <1 | 0 | <1 |
| Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m <1 | Chromium | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Silver | Nickel | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Alluminum | Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Lead ppm ASTM D5185m >100 0 0 0 Copper ppm ASTM D5185m >200 <1 | Silver | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Copper ppm ASTM D5185m >200 <1 0 0 Tin ppm ASTM D5185m >25 0 0 <1 | Aluminum | ppm | ASTM D5185m | >25 | 1 | 1 | <1 |
| Copper ppm ASTM D5185m >200 <1 0 0 Tin ppm ASTM D5185m >25 0 0 <1 | Lead | ppm | ASTM D5185m | >100 | 0 | 0 | 0 |
| Tin | Copper | | ASTM D5185m | >200 | <1 | 0 | 0 |
| Antimony | Tin | | | | 0 | | <1 |
| Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 11 Barium ppm ASTM D5185m <1 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 68 94 76 Calcium ppm ASTM D5185m 1 1 2 Phosphorus ppm ASTM D5185m 5 0 0 Sulfur ppm ASTM D5185m 5 0 0 Sulfur ppm ASTM D5185m 5 0 0 Soliticon ppm ASTM D5185m >50 2 3 1 S | Antimony | | | >5 | - | | 0 |
| Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 11 Barium ppm ASTM D5185m <1 | Vanadium | | | | 0 | 0 | 0 |
| ADDITIVES | Cadmium | | | | | | |
| Boron | ADDITIVES | 1-1- | | limit/base | current | history1 | history2 |
| Barium | | nnm | | | | | |
| Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 68 94 76 Calcium ppm ASTM D5185m 1 1 2 Phosphorus ppm ASTM D5185m 5 0 0 Zinc ppm ASTM D5185m 5 0 0 Sulfur ppm ASTM D5185m 20742 22208 15365 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 2 3 1 Sodium ppm ASTM D5185m >50 <td></td> <td>• •</td> <td></td> <td></td> <th></th> <td></td> <td></td> | | • • | | | | | |
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| Sodium ppm ASTM D5185m 0 <1 <1 Potassium ppm ASTM D5185m >20 <1 | | | | | | • | |
| PotassiumppmASTM D5185m>20<100FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.380.420.369VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORML | | | | >50 | | | |
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| Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORML | | | | | | | |
| Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORML | Debris | | | | | | |
| Odor scalar *Visual NORML NORML NORML NORML | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Appearance | scalar | | | | | NORML |
| Emulsified Water scalar *Visual >0.2 NEG NEG NEG | Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

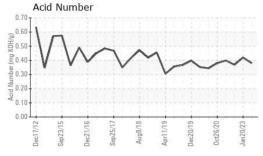
Submitted By: KIRKNVELGLIAMS

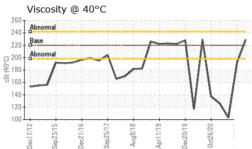
NEG

scalar *Visual



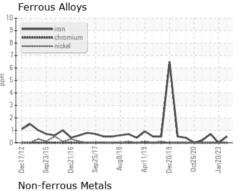
OIL ANALYSIS REPORT

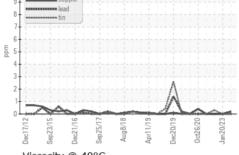


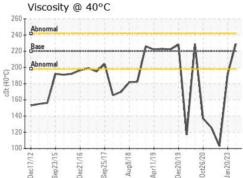


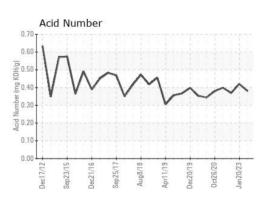


GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : IND 2

: WC0810163 : 05904986 : 10566342

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jul 2023 Diagnosed : 25 Jul 2023 Diagnostician : Don Baldridge

SI GROUP INC - ALBEMARLE 725 CANNON BRIDGE RD ORANGEBURG, SC

US 29115

Contact: ERIC PROVEAUX eric.proveaux@contractors.siigroup.com

T: (803)539-5228 F: (803)539-5426

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)