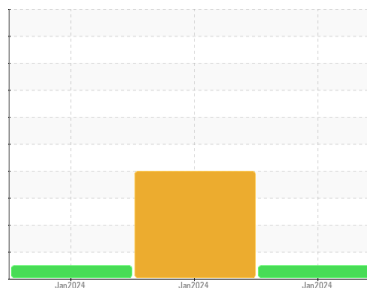


OIL ANALYSIS REPORT

Sample Rating Trend


UNKNOWN


Machine Id
SGC QA/QC
Component
Motor a Gas QA/QC
Fluid

DIAGNOSIS

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|--------------------|-------------|-------------|
| Lab Number | Client Info | 24010756 | 24010613 | 24010613 |
| Sample Number | Client Info | LL224010756 | LL224010613 | LL224010613 |
| Sample Date | Client Info | 08 Jan 2024 | 06 Jan 2024 | 06 Jan 2024 |
| Oil Changed | Client Info | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | | --- | SEVERE | --- |

PARTICLE QUANTIFIER (PQ)

| | | | | |
|------------------------|------------|-----|---|-----|
| Densidad Ferrosa - PQI | ASTM D8184 | --- | 3 | --- |
|------------------------|------------|-----|---|-----|

ICP SPECTROMETRIC ANALYSIS

| Element | Unit | ASTM | Result | Limit |
|----------------|-------------|------------|--------|-------|
| Hierro - Fe | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Cromo - Cr | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Níquel - Ni | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Titanio - Ti | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Plata - Ag | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Aluminio - Al | mg/kg (ppm) | ASTM D5185 | --- | 5 |
| Plomo - Pb | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Cobre - Cu | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Estaño - Sn | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Vanadio - V | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Silicio - Si | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Sodio - Na | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Potasio - K | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Boro - B | mg/kg (ppm) | ASTM D5185 | --- | 2 |
| Bario - Ba | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Molibdeno - Mo | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Manganeso - Mn | mg/kg (ppm) | ASTM D5185 | --- | 1 |
| Magnesio - Mg | mg/kg (ppm) | ASTM D5185 | --- | 4 |
| Calcio - Ca | mg/kg (ppm) | ASTM D5185 | --- | 1629 |
| Fósforo - P | mg/kg (ppm) | ASTM D5185 | --- | 285 |
| Zinc - Zn | mg/kg (ppm) | ASTM D5185 | --- | 355 |
| Litio - Li | mg/kg (ppm) | ASTM D5185 | --- | 1 |

PERCENT FUEL

| | | | | | |
|-----------------------------------|------------|------------|-----|-------|-----|
| Combustible en lubricantes - FOIL | g/100g (%) | ASTM D7593 | --- | ▲ 3.6 | --- |
|-----------------------------------|------------|------------|-----|-------|-----|

KARL FISCHER

| | | | | | |
|---------------------|-------------|---------------|-----|----------|-----|
| Agua (Karl Fischer) | mg/kg (ppm) | ASTM D6304(b) | --- | ◆ 1516.1 | --- |
|---------------------|-------------|---------------|-----|----------|-----|

GLYCOL CONTAMINATION TEST

| | | | | | |
|-----------------------|------------|------------|-----|------|-----|
| Glicol en lubricantes | µg/g (ppm) | ASTM D7922 | --- | 1106 | --- |
| Etilenglicol | µg/g (ppm) | ASTM D7922 | --- | 1106 | --- |
| Propilenglicol | µg/g (ppm) | ASTM D7922 | --- | < 50 | --- |

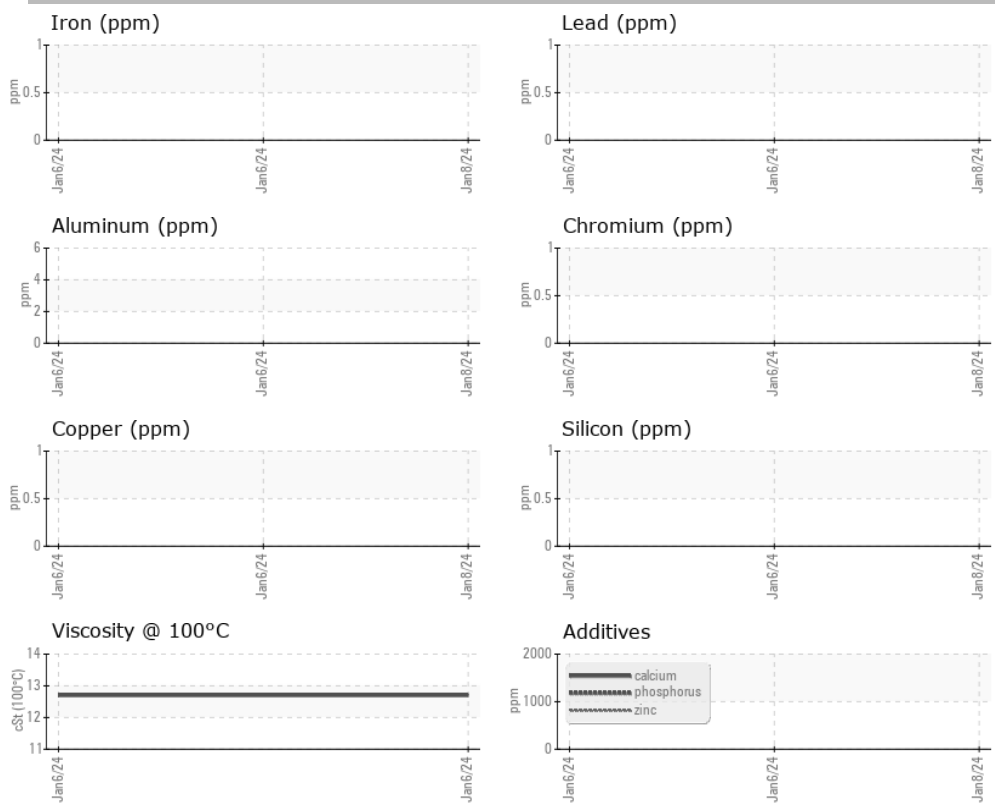
INFRA-RED ANALYSIS

| | | | | | |
|-------------|------------|------------|-----|-------|-----|
| Hollin % | g/100g (%) | ASTM E2412 | --- | 0.1 | --- |
| Oxidación | Abs/0,1mm | ASTM E2412 | --- | 12.60 | --- |
| Nitración | Abs/0,1mm | ASTM E2412 | --- | 6.60 | --- |
| Sulfatación | Abs/0,1mm | ASTM E2412 | --- | 19.60 | --- |

OIL ANALYSIS REPORT

| | | | | | |
|-----------------------------------|--------------------------|------------|-----|-------|-----|
| Glicol (Presencia) | | | | | |
| Glicol (Presencia) | % | ASTM E2412 | --- | 0.00 | --- |
| ACID NUMBER (AN) MANUAL | | | | | |
| TAN - Acidez mineral | pos/neg | ASTM D974 | --- | 1.73 | --- |
| ACID NUMBER (AN) AUTOMATED | | | | | |
| Número Ácido - TAN | mgKOH/g | ASTM D974 | --- | 1.73 | --- |
| BASE NUMBER (BN) | | | | | |
| Número Básico - TBN | mgKOH/g | ASTM D2896 | --- | 3.40 | --- |
| I-PH | | | | | |
| pH inicial | Scale 0-14 | ASTM D974 | --- | 4.90 | --- |
| VISCOSITY @ 40°C | | | | | |
| Viscosidad a 40°C | mm ² /s (cSt) | ASTM D7279 | --- | 115.3 | --- |
| VISCOSITY @ 100°C | | | | | |
| Viscosidad a 100°C | mm ² /s (cSt) | ASTM D7279 | --- | 12.7 | --- |
| VISCOSITY INDEX (VI) | | | | | |
| Índice de viscosidad | Scale | ASTM D2270 | --- | 102 | --- |

GRAPHS



Laboratory : WearCheck -
Sample No. : LL224010756 **Recieved** : 10 Jan 2024
Lab Number : **24010756** **Diagnosed** : 24 Jan 2024
Unique Number : 16071930 **Diagnostician** : Andy Lantos
Test Package : MOB 1

LABORATORIO LANTOS S.A. / SGC QA/QC

Contact: Service Manager

*To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.*

T:
F: