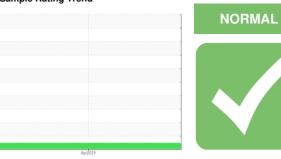


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HUNDAI LB-57

Component
Center Left Final Drive

FACTORY FILL 75W85 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

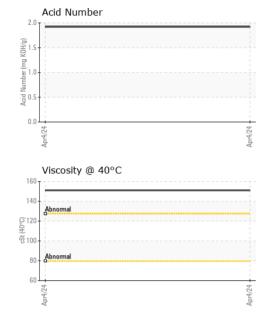
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
|------------------|----------|-------------|------------|-------------|----------|----------|
| Sample Number | | Client Info | | PCA0110046 | | |
| Sample Date | | Client Info | | 04 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 160 | | |
| Oil Age | hrs | Client Info | | 160 | | |
| Oil Changed | | Client Info | | Changed | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >500 | 40 | | |
| Chromium | ppm | ASTM D5185m | >10 | 0 | | |
| Nickel | ppm | ASTM D5185m | >10 | <1 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | | |
| Lead | ppm | ASTM D5185m | >25 | 0 | | |
| Copper | ppm | ASTM D5185m | >50 | 3 | | |
| Tin | ppm | ASTM D5185m | >10 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 1 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | ASTM D5185m | | 1 | | |
| Magnesium | ppm | ASTM D5185m | | 4 | | |
| Calcium | ppm | ASTM D5185m | | 22 | | |
| Phosphorus | ppm | ASTM D5185m | | 794 | | |
| Zinc | ppm | ASTM D5185m | | <1 | | |
| Sulfur | ppm | ASTM D5185m | | 27097 | | |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >75 | <1 | | |
| Sodium | ppm | ASTM D5185m | | 3 | | |
| Potassium | ppm | ASTM D5185m | >20 | 4 | | |
| FLUID DEGRAI | OITAC | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.92 | | |



OIL ANALYSIS REPORT



| VISUAL | | method | limit/base | current | history1 | history |
|------------------|--------|-------------|------------------|---------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Precipitate | scalar | *Visual | NONE | NONE | | |
| Silt | scalar | *Visual | NONE | MODER | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Appearance | scalar | *Visual | NORML | NORML | | |
| Odor | scalar | *Visual | NORML | NORML | | |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | | |
| Free Water | scalar | *Visual | | NEG | | |
| FLUID PROPE | ERTIES | method | limit/base | current | history1 | history |
| Visc @ 40°C | cSt | ASTM D445 | | 151 | | |
| SAMPLE IMAG | GES | method | limit/base | current | history1 | history |
| Color | | | | | no image | no image |
| Bottom | | | | | no image | no image |
| GRAPHS | | | | | | |
| Iron (ppm) | | | 150 | Lead (ppm) | | |
| Severe | | | | Severe | | |
| Abnormal | | | E 50 Abnormal | | | |
|) [| | | - t |) 📙 | | |
| Apr4/24 | | | Apr4/24 | Apr4/24 | | |
| Aluminum (ppm) | | | | Chromium (pp | om) | |
| Severe | | 30 T Severe | | | | |
| | | | <u></u> | Abnormal | | |
| a distribution | | | | 1 | | |
| Apr4/24 | | | Apr4/24 | Apr4/24 | | |
| Copper (ppm) | | | | Silicon (ppm) | | |
| Severe | | | 300 | Severe | | |
| Abnormal | | | 돌 ²⁰⁰ | | | |
| Abnoma | | | |) 📙 | | |
| Apr4/24 | | | Apr4/24 - | Apr4/24 | | |
| 4 | | | 4 | 4 | | |
| Viscosity @ 40°C | | | 2.0 (mg KOH/g) | Acid Number | | |





Laboratory

Sample No. : PCA0110046 Lab Number : 06223612

Unique Number : 11101809

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2024 **Tested** : 01 Jul 2024 Diagnosed

: 01 Jul 2024 - Don Baldridge

LORUSSO BRISTOL STONE CORP 611 PLEASANT ST WEYMOUTH, MA US 02189 Contact: PAUL MOGAN

Test Package : MOB 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. lbstone611@comcast.net * - 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)

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