OIL ANALYSIS REPORT

MATT GRUNTER 42075 30826H - INBOARD - GEARBOX

Sample No: VPA044546

Oil Type: SHELL ROTELLA S 30

SAMPLE INFORMATION Sample Number VPA044546 29 Jun 2023 Sample Date Machine Hours 3006 0 **Oil Hours** Oil Changed N/A ABNORMAL Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 94.1 CONTAMINATION Silicon ppm 6 Sodium ppm 2 Potassium 2 ppm WEAR METALS PO 48 Iron 89 ppm Copper ppm **A** 271 Lead ppm Tin ppm 3 3 Aluminum ppm Chromium ppm ■ <1 Molybdenum ■ <1 ppm Nickel 0 🔲 ppm Titanium ppm <1 Silver 0 ppm Manganese 1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 2842 ppm Magnesium 21 ppm Zinc ppm 752 Phosphorus ppm 695 Barium 0 🔲 ppm 9 Boron ppm



INTERSTATE POWER SYSTEMS

2901 E 78TH ST MINNEAPOLIS, MN US 55425 Contact: BRADY GARBRECHT brady.garbrecht@istate.com T:

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Copper and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

 Depot:
 VP1103105

 Unique No:
 10538955

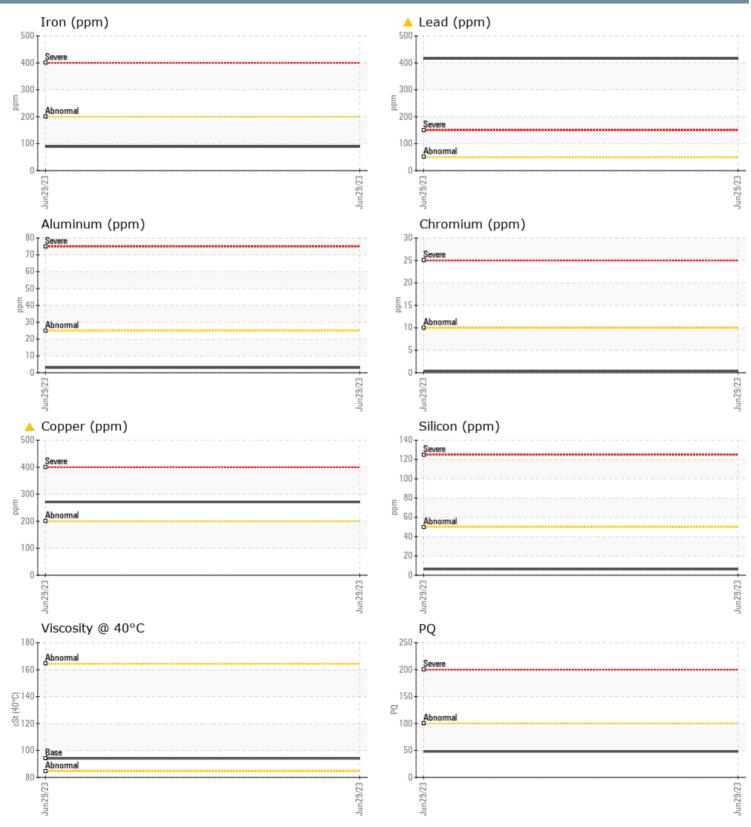
 Signed:
 Angela Borella

 Report Date:
 06 Jul 2023

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1103105 [WUSCAR] 05888472 (Generated: 07/06/2023 13:51:18) Rev: 1

Contact/Location: BRADY GARBRECHT - VP1103105