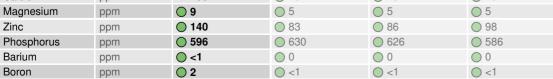


HYSTER F31-Hydraulic System

Sample No: LH0250510

Oil Type: PETRO CANADA HYDREX MV 46

SAMPLE INFORMATION LH0250510 LH0240778 LH0240789 Sample Number LH0218533 Sample Date 20 Sep 2023 23 Mar 2023 29 Nov 2022 30 Jun 2022 Machine Hours 4556 4305 4054 3814 **Oil Hours** n 0 0 0 Oil Changed Not Changd Not Changd Not Changd Not Changd Sample Status SEVERE SEVERE SEVERE SEVERE **OIL CONDITION** Visc @ 40°C cSt 0 43.6 0 41.9 0 41.7 0 42.1 CONTAMINATION Particles >4µm 98160 86677 86918 68851 Particles >6µm 0 14237 0 11226 0 10130 0 2243 0 19 0 39 0 117 Particles >14µm 63 ISO 4406:1999 (c) 24/21/13 24/21/1 24/21/12 23/18/14 Silicon 04 ppm 6 03 01 02 02 Sodium $\bigcirc 2$ ppm Potassium ppm ○ <1 ○ <1 ○ <1 09 \bigcirc **WEAR METALS** PQ 0 (0 Iron ppm 0 27 0 23 0 12 06 0 <1 Copper 0 <1 0 <1 $\bigcirc 0$ ppm Lead ○ <1 \bigcirc <1 ppm 0 -Tin 0 $\bigcirc 0$ ppm $\bigcirc 0$ $\bigcirc 0$ Aluminum 02 ppm $\bigcirc 2$ < Chromium 9 09 $\bigcirc 5$ $\bigcirc 2$ ppm Molybdenum ppm ○ <1</p> \bigcirc <1 \bigcirc < < Nickel 0 $\bigcirc 0$ ppm $\bigcirc 0$ Titanium n ~ 0 ppm Silver 0 ppm <1 Manganese 0 ppm $\bigcirc <^{\cdot}$ < Vanadium 0 ppm 0 0 ¢ **ADDITIVES** Calcium 258 ppm 0 45 0 45 0 48 09 Magnesium ppm 05 05 $\bigcirc 5$





Radius Recycling Canada Ltd.

12195 Musqueam Dr. Surrey, BC CA V3V 3T2 Contact: Shane Brown sbrown@amix.ca T: (604)823-6990 F: (604)823-6913

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

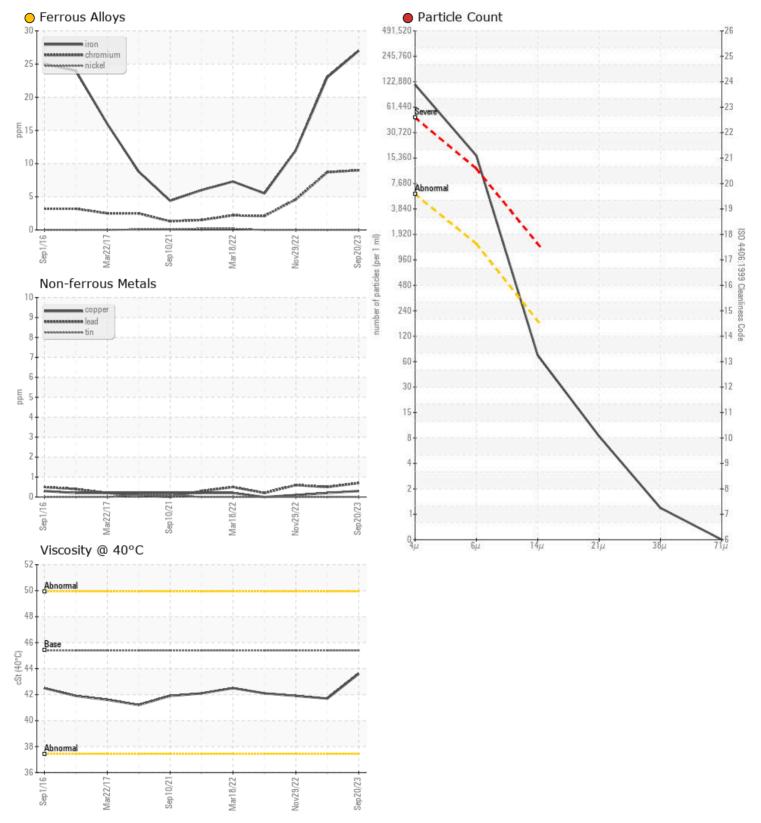
Depot:AMISURUnique No:5658744Signed:Kevin MarsonReport Date:18 Oct 2023





GRAPHS

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Report Id: AMISUR [WCAMIS] 02589678 (Generated: 10/18/2023 13:35:22) Rev: 1