

## Machine Id **TITAN (S/N H32A0300036)** Hydraulic System Fluid TRC HYDRAULIC OIL 15W (600 GAL)

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.

Test

Sample Number

Sample Date

UOM

Method

Client Info

**Client Info** 

Limit/Abn

# WEAR

All component wear rates are normal.

## CONTAMINATION

**FLUID CONDITION** 

suitable for further service.

MPC (Membrane Patch Colorimetry) test indicates a light concentration of varnish present. The amount and size of particulates present in the system are acceptable.

### 7488 Machine Age hrs Client Info 109404 12720 0 0 Λ Oil Age hrs Client Info Filter Age hrs Client Info 0 0 0 Oil Changed **Client Info** Not Changd Not Changd Not Chanod Filter Changed **Client Info** Changed Changed Changed MARGINAL NORMAL Sample Status NORMAL 2 ASTM D5185m >20 2 Iron ppm 1 Chromium 0 ASTM D5185m >10 <1 <1 ppm Nickel 0 $\cap$ 0 ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 0 Silver ASTM D5185m Λ $\cap$ ppm -1 Aluminum ASTM D5185m >10 n 0 0 ppm 0 0 0 I ead ppm ASTM D5185m >10 ASTM D5185m >75 3 3 5 Copper ppm Tin ASTM D5185m 0 0 >10 0 ppm Vanadium ASTM D5185m 0 0 0 ppm White Metal \*Visual NONE NONE NONE NONE scalar Yellow Metal \*Visual NONE NONE NONE NONE scalar Silicon ASTM D5185m >20 -1 <1 <1 ppm Potassium ASTM D5185m >20 10 0 0 ppm Water WC Method >0.1 NEG NEG NEG MPC Varnish Potential Scale ASTM D7843 >15 28 Particles >4µm ASTM D7647 >5000 1806 2607 604 Particles >6µm ASTM D7647 >1300 405 725 166 Particles >14µm ASTM D7647 >160 35 68 18 Particles >21µm ASTM D7647 >40 11 14 6 ASTM D7647 Particles >38µm >10 1 2 Particles >71µm 0 0 ASTM D7647 >3 0 **Oil Cleanliness** ISO 4406 (c) >19/17/14 18/16/12 19/17/13 16/15/11 Silt scalar \*Visual NONE NONE NONE NONE NONE Debris scalar \*Visual NONE NONE NONE NONE Sand/Dirt \*Visual NONE NONE NONE scalar Appearance \*Visual NORML NORML NORML NORML scalar Odor \*Visual NORML NORML NORML NORML scalar \*Visual Emulsified Water scalar >0.1 NEG NEG NEG Sodium ppm ASTM D5185m 3 0 <1 Boron ppm ASTM D5185m 0 0 2 Barium ASTM D5185m 0 0 0 ppm 0 0 Molybdenum ASTM D5185m <1 ppm Manganese ppm ASTM D5185m 0 0 0 0 Magnesium 4 ppm ASTM D5185m 68 Calcium 74 91 ppm ASTM D5185m 627 Phosphorus ASTM D5185m 678 697 ppm Zinc ASTM D5185m 715 866 827 ppm Sulfur 1915 1782 ppm ASTM D5185m 1766 Acid Number (AN) mg KOH/g ASTM D8045 0.94 0.79 0.872 Visc @ 40°C ASTM D445 46 45.8 ---cSt --cSt 6.3 Visc @ 100°C ASTM D445 7.0 6.9 70

Viscosity Index (VI) Scale ASTM D2270

WEAR NORMAL CONTAMINATION MARGINAL FLUID CONDITION NORMAL

Current

TR06151968

30 Mar 2024

History1

03 Jun 2022

History2

30 Oct 2020

TR05563499 TR05106331

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

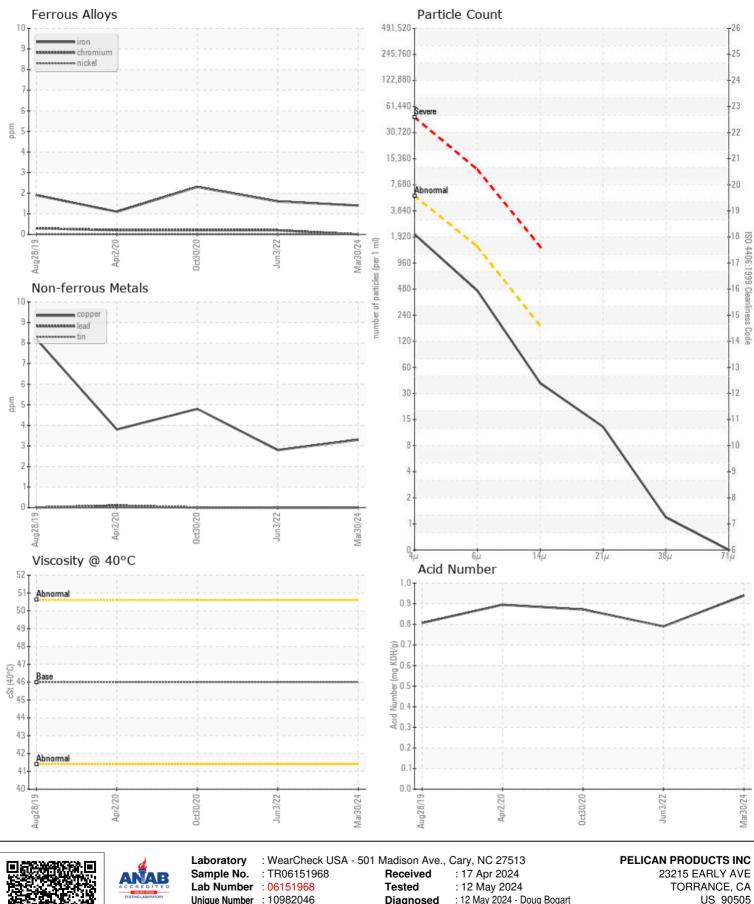
110



Report Id: PELTORCA [WUSCAR] 06151968 (Generated: 05/12/2024 16:06:31) Rev: 2



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 Vertificate L2367
 Unique Number
 : 10982046
 Diagnosed
 : 12 May 2024 - Doug Bogart

 Certificate L2367
 Test Package
 : MOB 2 (Additional Tests: KV100, MPC, VI)

 To discuss this sample report, contact Customer Service at 1-800-827-0711.
 \* - 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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