

## OIL ANALYSIS REPORT

## Machine Id GEAR REDUCER HANSEN (S/N R04A112714) Component Right Gear Reducer Fluid

## CHEVRON DELO GEAR ESI OIL 80W90 (45 GAL) RECOMMENDATION Test UOM l imit/Abn Current Method History1 History2 Sample Number Client Info TR05822844 Resample at the next service interval to monitor. 12 Apr 2023 Sample Date Client Info Machine Age 0 hrs **Client Info** 1000 Oil Age hrs Client Info Filter Age **Client Info** hrs 0 Oil Changed Client Info Not Changd Filter Changed Client Info Not Changd Sample Status NORMAL WEAR ASTM D5185m >250 Iron ppm 26 Chromium ASTM D5185m >5 1 ppm All component wear rates are normal. Nickel ASTM D5185m >5 <1 ppm Titanium ppm ASTM D5185m <1 Silver ASTM D5185m 0 ppm Aluminum ASTM D5185m >20 0 ppm Lead >50 0 ASTM D5185m ppm Copper ppm ASTM D5185m >50 1 Tin ASTM D5185m >5 ء1 ppm Vanadium ppm ASTM D5185m <1 NONE White Metal scalar \*Visual NONE Yellow Metal scalar \*Visual NONE NONE CONTAMINATION Silicon 10 ppm ASTM D5185m >60 Potassium ASTM D5185m >20 2 ppm There is no indication of any contamination in the oil. Water WC Method >0.2 NEG Silt \*Visual NONE NONE scalar Debris scalar \*Visual NONE NONE Sand/Dirt \*Visual NONE NONE scalar Appearance scalar \*Visual NORML NORML Odor NORML NORML scalar \*Visual Emulsified Water \*Visual scalar >0.2 NFG FLUID CONDITION Sodium ppm ASTM D5185m 2 Boron ASTM D5185m 15 ppm 16 The AN level is acceptable for this fluid. The condition of the oil is Barium ASTM D5185m 0 0 suitable for further service. ppm Molybdenum ASTM D5185m 1 ppm 0 2 Manganese ASTM D5185m ppm ASTM D5185m 0 Magnesium ppm 7 5 10 Calcium ASTM D5185m ppm

Phosphorus

Acid Number (AN)

Visc @ 100°C

Zinc

Sulfur

ppm

ppm

ppm

cSt

mg KOH/g

ASTM D5185m 600

ASTM D5185m 22000

ASTM D445 14.2

0

1.5

ASTM D5185m

**ASTM D8045** 

Contact/Location: RON GROGAN - MTSMEA

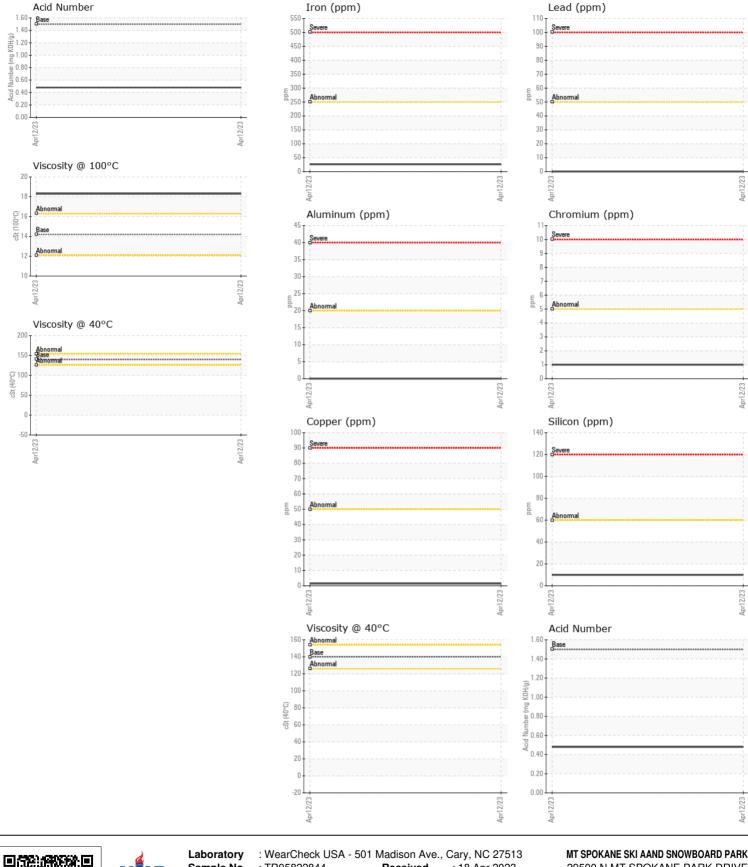
273

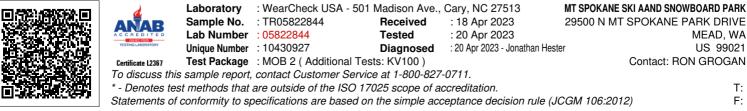
10662

0.48

18.3

1





Contact/Location: RON GROGAN - MTSMEA Page 2 of 2