

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 11646123 CONVEYOR Component

Gear Reducer Fluid SHELL OMALA 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

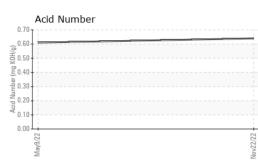
Fluid Condition

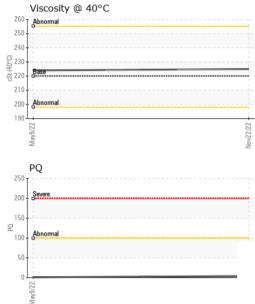
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

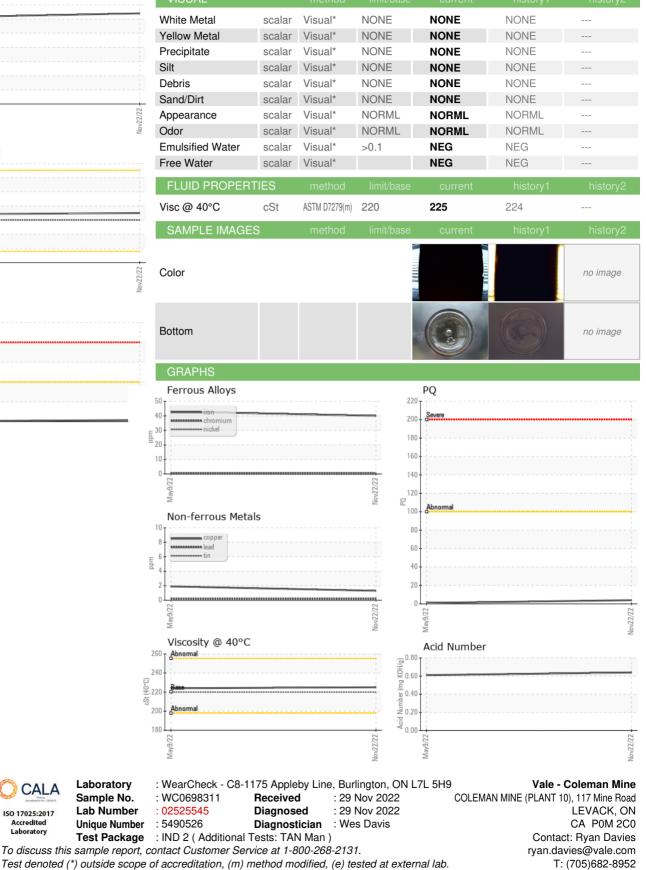
SAMPLE INFORMATION method limit/base current history1	
	history2
Sample Number Client Info WC0698311 WC0638708	
Sample Date Client Info 22 Nov 2022 09 May 2022	
Machine Age hrs Client Info 0 0	
Oil Age hrs Client Info 0	
Oil Changed Client Info N/A N/A	
Sample Status NORMAL NORMAL	
WEAR METALS method limit/base current history1	history2
PQ ASTM D8184* 4 1	
Iron ppm ASTM D5185(m) >150 40 43	
Chromium ppm ASTM D5185(m) >10 <1 <1	
Nickel ppm ASTM D5185(m) >10 <1	
Titanium ppm ASTM D5185(m) 0 0	
Silver ppm ASTM D5185(m) 0 0	
Aluminum ppm ASTM D5185(m) >25 <1	
Lead ppm ASTM D5185(m) >100 <1 <1	
Copper ppm ASTM D5185(m) >50 1 2	
Tin ppm ASTM D5185(m) >10 0 0	
Antimony ppm ASTM D5185(m) >5 <1	
Vanadium ppm ASTM D5185(m) 0 0	
Beryllium ppm ASTM D5185(m) 0 0	
Cadmium ppm ASTM D5185(m) 0 0	
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185(m) 4.4 8 8	
Barium ppm ASTM D5185(m) 0.0 0 0	
Molybdenum ppm ASTM D5185(m) 0 0 0 0	
Manganese ppm ASTM D5185(m) <1	
Magnesium ppm ASTM D5185(m) 0 <1	
Calcium ppm ASTM D5185(m) 0 19 20	
Phosphorus ppm ASTM D5185(m) 215 279 279	
Zinc ppm ASTM D5185(m) 0 10 11	
Sulfur ppm ASTM D5185(m) 7039 7847 8002	
Lithium ppm ASTM D5185(m) <1	
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185(m) >50 4 6	
FLUID DEGRADATION method limit/base current history1	history2
Acid Number (AN) mg KOH/g ASTM D974* 0.64 0.61	



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CALA

ISO 17025:2017 Accredited

Laboratory

Laboratory

Sample No.

Lab Number

Validity of results and interpretation are based on the sample and information as supplied.

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