* Formerly known as Tribol 1750

SUCCESS WITH Tribol CS 1750

EXTENDED SULLAIR COMPRESSOR OIL CHANGE INTERVALS

METALS MANUFACTURING (USA)

TITANIUM FORGING

CASTROL Tribol® CS 1750 compressor oil*

ANNUAL SAVINGS: $1,260 per compressor

THE SITUATION

Major manufacturer of titanium forgings for the aircraft industry (Boeing) had to perform frequent oil changes in Sullair rotary compressors located in the main compressor building.

Commodity type ISO 46 hydraulic oil was used for compressor lubrication. Oil had to be changed approximately every 1000 hours of operation due to the oil smell and excessive sludge formation.

BEFORE

- Crankcase capacity – 30 gal.
- Commodity type oil with low oxidation resistance
- Oil change interval – 1,000 hrs
- No oil sampling program

AFTER

- High performance oil with high oxidation resistance
- Oil change interval – 7,000 hrs
- Periodic oil samples to monitor oil condition and wear rates

THE SOLUTION

- Customer was looking for ways to extend change-out interval in order to reduce oil usage and labor.
- Causes of the short oil life and poor oil condition were unknown due to the previous lubrication vendor did not conduct oil sample analysis.
- Castrol Application Engineer thoroughly analyzed the situation to determine best recommendations. Oil samples indicated significant oil oxidation, causing sludge formation and burning smell of oil.
- Castrol Tribol CS 1750/46 Synthetic Blend Compressor Oil was recommended to resolve the situation.
- Tribol CS 1750/46 was able to better resist oxidation, extend oil change intervals, and reduce labor due to its synthetic blend base oil and anti-oxidant package.

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RECOMMENDATIONS

Recommended for use in most types of rotary compressors, Castrol Tribol CS 1750 Synthetic Blend Compressor Oils are produced from a proprietary blend of mineral oil and synthetic ester fluids, plus advanced additives.

They provide excellent lubricity and anti-wear protection for the improved service life of: flooded rotary compressors, reciprocating compressor piston rings, rider bands & crankcase components, drip feed rotary compressor vanes, and bearings.

Exceptional oxidation resistance minimizes varnish and carbonaceous residues on compressor components and in gas passages, intercoolers, after-coolers, etc.

CONCLUSION

Oil change interval was extended from approximately one year to 5 years.

Annual savings per compressor
$1,268
5 year savings per compressor
$6,340

OTHER POTENTIAL APPLICATIONS

Castrol Tribol CS 1750 Synthetic Blend Compressor Oils are primarily intended for use in stationary flooded rotary compressors but are also suitable for use in portable flooded rotary compressor applications. Additionally, Castrol Tribol CS 1750/46 and 68 are formulated for use in non-crosshead type reciprocating or drip-feed reciprocating and rotary compressors.

Right lubricant for the right application. Experience and knowledge brought together with right lubricant resolves the issues.