

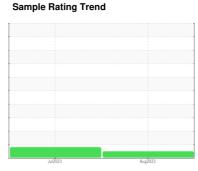
OIL ANALYSIS REPORT

DELTA VICTOR 104 MANGUSTA Machine Id KONGSBERG KAMEWA PORT HPP (S/N 53404)

Component

Port Hydraulic Power Pack

CALTEX MEROPA 68 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for water content.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

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 Sample Number Client Info WC0713631 WC0713633 Sample Date Client Info 18 Aug 2023 09 Jul 2023 Machine Age hrs Client Info 481 418 Oil Age hrs Client Info 481 418 Oil Changed Client Info Not Changd Changed	history2
Sample Date Client Info 18 Aug 2023 09 Jul 2023 Machine Age hrs Client Info 481 418 Oil Age hrs Client Info 481 418 Oil Changed Client Info Not Changed Changed	
Machine Age hrs Client Info 481 418 Oil Age hrs Client Info 481 418 Oil Changed Client Info Not Changed Changed	
Oil Age hrs Client Info 481 418 Oil Changed Client Info Not Changed	
Oil Changed Client Info Not Changed	
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Sample Status NORMAL ATTENTION	
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >20 3 8	
Chromium ppm ASTM D5185m >20 0 0	
Nickel ppm ASTM D5185m >20 0 0	
Titanium ppm ASTM D5185m 0	
Silver ppm ASTM D5185m 0 0	
Aluminum ppm ASTM D5185m >20 0 0	
Lead ppm ASTM D5185m >20 0 0	
Copper ppm ASTM D5185m >20 <1	
Tin ppm ASTM D5185m >20 0 0	
Vanadium ppm ASTM D5185m 0 0	
CadmiumppmASTM D5185m00	
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 0 13 3	
Barium ppm ASTM D5185m 0 2	
Molybdenum ppm ASTM D5185m 0 <1 <1	
Manganese ppm ASTM D5185m 0 <1	
Magnesium ppm ASTM D5185m 0 3 8	
Calcium ppm ASTM D5185m 0 16 13	
Phosphorus ppm ASTM D5185m 200 251 225	
Zinc ppm ASTM D5185m 100 10 35	
Sulfur ppm ASTM D5185m 3500 12531 21731	
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m >15 <1 2	
Sodium ppm ASTM D5185m 14 62	
Potassium ppm ASTM D5185m >20 2 4	
Water % ASTM D6304 >0.05 0.021 0.032	
ppm Water ppm ASTM D6304 >500 216.1 324.0	
FLUID CLEANLINESS method limit/base current history1	history2
Particles >4µm ASTM D7647 >5000 2884 ▲ 9400	
Particles >6μm ASTM D7647 >1300 137 690	
Particles >14µm ASTM D7647 >160 11 43	
Particles >21µm	
Particles >38μm ASTM D7647 >10 0 0	
Particles >71μm	
Oil Cleanliness ISO 4406 (c) >19/17/14 19/14/11 • 20/17/13	
FLUID DEGRADATION method limit/base current history1	history2



OIL ANALYSIS REPORT







Sample No. Lab Number **Unique Number**

: WC0713631 : 05933466 : 10618737

Received : 24 Aug 2023 Diagnosed

: 29 Aug 2023 Diagnostician : Doug Bogart

Test Package : MAR 2 (Additional Tests: KF) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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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