

Engineering Reliability Specialists

Oil Sample Report



Asset Details			
Asset Code DMS/BP/P/RTG7/BPP112		Asset Trolley Land Side LHS No.1	
Organisation Drive Management Services		Site	
Zone		Area RTG 7	
Asset Type Gearbox	Manufacturer	Model	Serial No
Component Name Gearbox		Point Name Oil Sample	
Component Type Gearbox	Component Manufacturer KONECRANES	Component Model No	Component Serial No
Lubricant Manufacturer Total		Lubricant Carter SY 220	

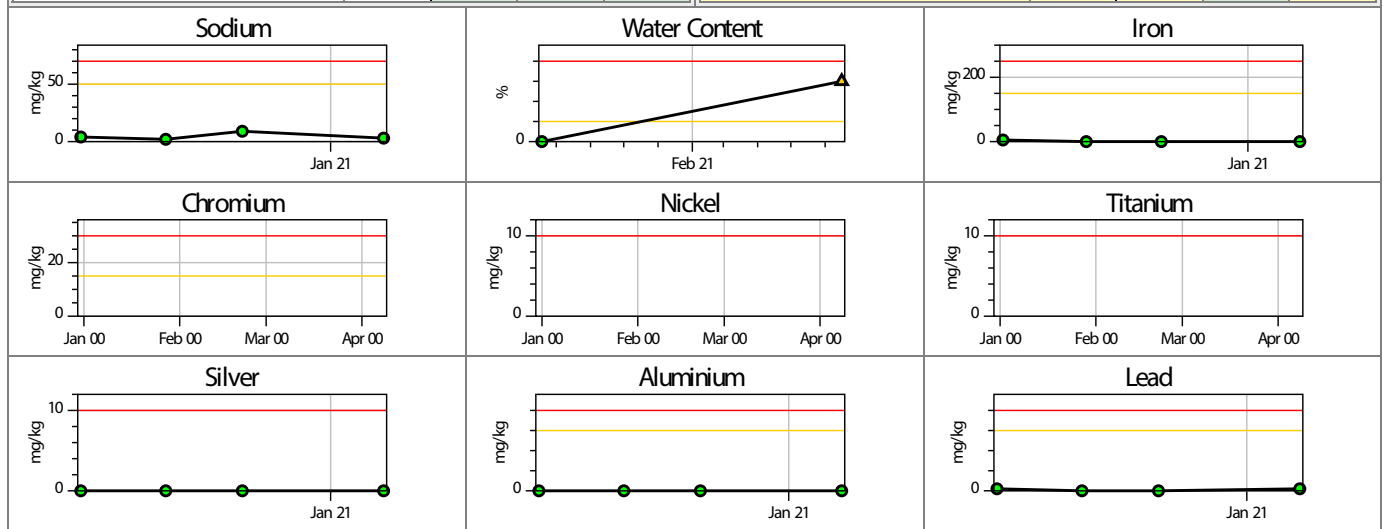


Sample Details			
Sampled / Imported By DMS Polaris Auto Import		Sample No Z-198618	Container Ref 21083D98175
Processed Date 02/07/2021 00:00:00		Sample Taken 16/06/2021 00:00:00	
		Received Date 25/06/2021 00:00:00	

Comment
1. Water content at significant level. ICP elemental test unable to be carried out due to contamination. 2. Oil Viscosity low. ACTION: Drain and flush gearbox. Re-fill with clean oil. 3. Inspect gearbox for source of ingress 3. DMS to re-sample Sept 21.

Wear					Additives				
	16/06/21 Z-198618	05/03/21 Z-181905	18/09/20 Z-156173	19/06/20 Z-143720		16/06/21 Z-198618	05/03/21 Z-181905	18/09/20 Z-156173	19/06/20 Z-143720
Silver mg/kg		0	0	0	Boron mg/kg		0	1	1
Aluminium mg/kg		0	0	0	Barium mg/kg				
Cadmium mg/kg					Calcium mg/kg		0	1	1
Chromium mg/kg					Magnesium mg/kg		0	0	0
Copper mg/kg		0	0	0	Phosphorus mg/kg		62	54	76
Iron mg/kg		0	0	0	Zinc mg/kg		0	0	0
Manganese mg/kg									
Molybdenum mg/kg		0	0	0					
Nickel mg/kg									
Lead mg/kg		1	0	0					
Antimony									
Tin mg/kg		0	0	1					
Titanium mg/kg									
Vanadium mg/kg									

Contamination					Fluid Condition				
	16/06/21 Z-198618	05/03/21 Z-181905	18/09/20 Z-156173	19/06/20 Z-143720		16/06/21 Z-198618	05/03/21 Z-181905	18/09/20 Z-156173	19/06/20 Z-143720
Potassium mg/kg		3	23	5	Acid Number KOH/mg	0.61	0.24	0.27	0.44
Lithium mg/kg					Kinematic Viscosity at 40°C mm ² /s	168	220	214	212
Sodium mg/kg		3	9	2	PQ Index	10	36	36	
Silicon mg/kg		0	1	2	Water Content %	0.3		0	



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