

Make:		Sample No:	5430151
Model:		Location:	
Serial No:		Client:	
System:	HYDRAULIC	Kit Ref/Bottle No:	RL209472
Brand:		Job No.:	
Grade:		Sampled:	10/08/16
Unique No.:		Received:	15/08/16

Diagnosis Key: **Normal** **Caution** **Serious** Diagnostician: B. Cutler

Wear appears satisfactory. No significant contamination. Advice : Monitor at the recommended sampling period.



Results

	Current Sample	Historical Samples
Sample No	5430151	5374028
Status	✓	✓
Sampled	10/08/16	11/05/16
Fluid Age	HOURS	
Unit Age	HOURS	
Received	15/08/16	18/05/16

Fluid Condition

Viscosity @ 40 °C	mm ² /s	46.8	47.2
Appearance	-	Clear & Bright	Clear & Bright
Neut No.	mg KOH/g	0.28	0.52

Additives

B (Boron)	mg/kg	1.7	0.0
Ba (Barium)	mg/kg	0.0	0.2
Ca (Calcium)	mg/kg	55	47
Mg (Magnesium)	mg/kg	0.5	0.6
P (Phosphorus)	mg/kg	293	278
S (Sulphur)	mg/kg	6242	5611
Zn (Zinc)	mg/kg	413	406

Contamination

Particles >4µm	particles/ml	582	18090
Particles >6µm	particles/ml	160	1772
Particles >14µm	particles/ml	11	75
Water	ppm	74	43
ISO Code	-	16/14/11	21/18/13
Particle Count 5	particles/ml	291	5012
Particle Count 7	particles/ml	98	815
Particle Count 10	particles/ml	36	220
Particle Count 20	particles/ml	3	9
Particle Count 30	particles/ml	1	1
Na (Sodium)	mg/kg	0.0	0.0
K (Potassium)	mg/kg	1.5	0.0
Si (Silicon)	mg/kg	0.9	0.3
Li (Lithium)	mg/kg	1.4	0.2

Wear Metals

Al (Aluminium)	mg/kg	2.0	0.0
Sn (Tin)	mg/kg	0.9	0.0
Pb (Lead)	mg/kg	0.5	0.4
Cu (Copper)	mg/kg	11	11
Fe (Iron)	mg/kg	3.0	4.4
Cr (Chromium)	mg/kg	1.0	0.0
Mo (Molybdenum)	mg/kg	0.8	0.2
Ag (Silver)	mg/kg	1.3	0.0
Ni (Nickel)	mg/kg	0.1	0.5
Mn (Manganese)	mg/kg	0.6	0.1
Ti (Titanium)	mg/kg	0.0	0.0
V (Vanadium)	mg/kg	0.0	0.0
Cd (Cadmium)	mg/kg	0.0	0.0

