

Equipment - Component  
Equipments on [REDACTED] - Unspecified MUD PIT AGITATOR  
#1-59756

Site/Vessel Name - Code

[REDACTED]

Customer

[REDACTED]

Manufacturer - Model  
Unspecified - Unspecified

LubeAnalyst Code

[REDACTED]

Registered Lubricant  
Omala S2 G 320





Attention

## Diagnosis

Higher iron level observed. Check for wear of gear components and rectify it. Other parameters are within limits. Oil can be used further by monitoring the results of next oil sample. Submit next sample as per schedule.

### Sample Information

Sample Number	9110105323	9110048028
Sample Condition		
Sample Date	<b>23/Nov/2019</b>	<b>19/Aug/2018</b>
Sample Received	09/Jan/2020	26/Oct/2018
Sample Completed	09/Jan/2020	29/Oct/2018
Lubricant in use	Omala S2 G 460	Omala S2 G 320
Equipment Life		
Lubricant Life		
Top-up Volume	2.00 (Litres)	

### Physical Characteristics

Viscosity 40°C cSt	455.4	332.3
Appearance	Clear	Clear
Flash Point (Setaflash) °C	>180	>180
TAN (D 664) mg KOH/g	0.51	0.46

### Wear

Iron (Fe) ppm	137	4
Chromium (Cr) ppm	0	0
Tin (Sn) ppm	0	1
Lead (Pb) ppm	0	1
Copper (Cu) ppm	0	0
Nickel (Ni) ppm	1	0
Aluminium (Al) ppm	0	1
Vanadium (V) ppm	0	0
Silver (Ag) ppm	0	0
Titanium (Ti) ppm	1	0

### Contamination

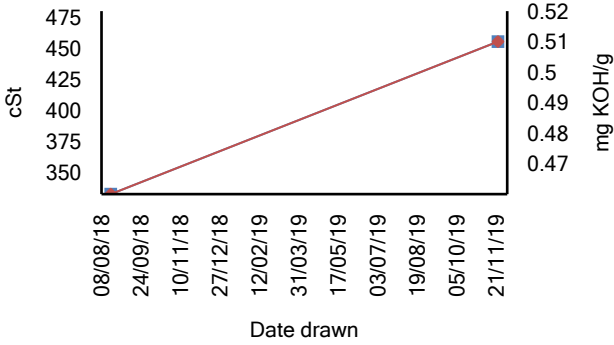
Water Content (Aquatest) %	<0.05	<0.05
Sodium (Na) ppm	0	0
Silicon (Si) ppm	5	0
Potassium (K) ppm	0	0

### Additives

Calcium (Ca) ppm	35	26
Zinc (Zn) ppm	18	15
Phosphorus (P) ppm	298	297
Barium (Ba) ppm	0	0
Molybdenum (Mo) ppm	2	1
Magnesium (Mg) ppm	3	2
Boron (B) ppm	3	0

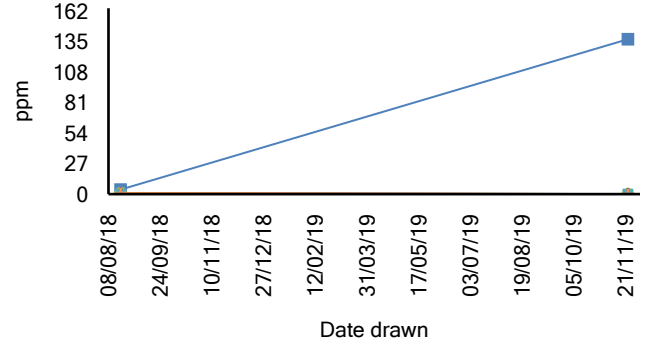
Graphs

Physical Characteristics



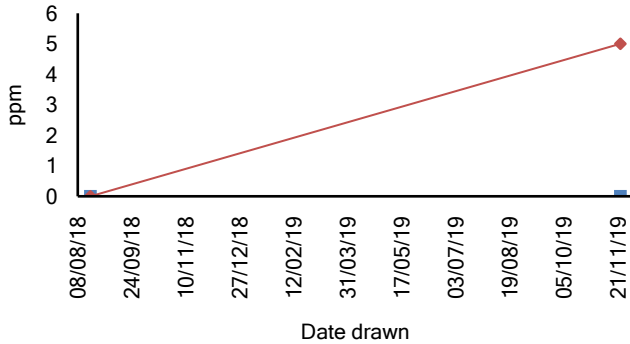
■ Viscosity 40°C (cSt) ◆ TAN (D 664) (mg KOH/g)

Wear



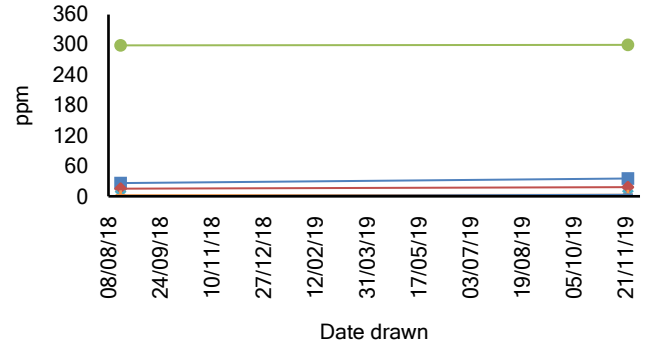
■ Iron (Fe) (ppm) ◆ Chromium (Cr) (ppm) ● Tin (Sn) (ppm)  
 ▲ Lead (Pb) (ppm) ✕ Copper (Cu) (ppm) + Aluminium (Al) (ppm)  
 — Silver (Ag) (ppm)

Contamination



■ Sodium (Na) (ppm) ◆ Silicon (Si) (ppm)

Additives



■ Calcium (Ca) (ppm) ◆ Zinc (Zn) (ppm) ● Phosphorus (P) (ppm)  
 ▲ Barium (Ba) (ppm) ✕ Molybdenum (Mo) (ppm)  
 + Magnesium (Mg) (ppm) — Boron (B) (ppm)