

Used Lubricant Analysis

Vessel SS El Faro Equipment Strut Tube Lubricant ST-77

Analysis Result

Sample No.		14	13	12	11	10	New
Date Sampled	dd/mm/yy	21/07/15	15/06/15	14/04/15	01/03/15	07/03/14	
Lube Service Time	hours	-	-	-	-	-	
Viscosity @40°C	mm²/s	75	76	76	75	77	77
Water	%	1.7	1.3	1.1	1.3	0.5	0.2
рН	-	9.3	9.3	9.4	9.4	9.4	9.0
TAN	mgKOH/g	6.7	6.4	6.5	6.5	7.2	7.5
Fe (iron)	ppm	4	3	5	7	<2	-
Sn (tin)	ppm	98	38	44	63	6	-
Pb (lead)	ppm	<2	<2	3	<2	<2	-
Na (sodium)	ppm	143	95	77	110	25	10
Equipment Rating		Alert	Caution	Alert	Alert	Normal	
Lubricant Rating		Normal	Normal	Normal	Normal	Normal	

Comment

Equipment

- The equipment condition is evaluated POOR.
- The Sn content is in Alert level (over 40ppm).
- Check the oil condition if any metal particles are collected or not.
- Check the strut bearing temperature if ship has ever experienced abnormal temperature.
- Recommend to replace oil with new oil partially to keep normal level.

Lubricant

- Lubricant condition is evaluated GOOD.

Next Sample

21-Oct-2015

Sending Address

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