



This Sample Status



ATTENTION

~~XXXXXXXXXXXX~~

D07 Dredge Pump Bearing Block PORT - Bearings

IHC - Bearing Block

~~XXXXXXXXXX~~

Lubricant: Shell Tellus S2 V 46
Date Drawn: 08/10/2016
Date Analysed: 19/10/2016

RESULTS					
	This Sample		Previous Samples		
	1	2	3	4	
Sample Number	48276521	48277732	48277910	47321308	
Sample Condition	ATTENTION	ATTENTION	ATTENTION	NORMAL	
Sample Date	08/10/2016	14/10/2015	19/11/2014	02/04/2012	
Sample Received	18/10/2016	20/10/2015	25/11/2014	12/04/2012	
Date Analysed	19/10/2016	27/10/2015	27/11/2014	19/04/2012	
Lubricant	Shell Tellus S2 V 46	Shell Tellus S2 V 46	Shell Tellus S2 V 46	Shell Omala 220	
Date Diagnosed	19/10/2016	27/10/2015	27/11/2014	20/04/2012	
Component Life (Hour)	4773 Hours	3051 Hours	25042 Hours	23625 Hours	
Lubricant Life (Hour)	0 Hours	99 Hours	0 Hours	0 Hours	
Fuel Used	-	-	-	-	
Oil Added (Litre)	-	-	-	-	
Viscosity@40 Deg C - cSt	46.6	46.1	46.1	213.1	
Water Content %v	00.0	0.0	0.0	00.0	
Total Acid No. (TAN) mg KOH/g	0.61	0.37	0.72	0.05	
Calcium (Ca) %	0.01	0.02	0.09	0.03	
Zinc (Zn) %	0.03	0.03	0.04	0.00	
Phosphorus (P) %	0.03	0.03	0.03	0.02	
Barium (Ba) %	0.00	0.00	0.00	0.00	
Iron (Fe) mg/kg	22	12	21	5	
Chromium (Cr) mg/kg	0	0	0	0	
Molybdenum (Mo) mg/kg	0	0	0	0	
Tin (Sn) mg/kg	4	2	8	0	
Lead (Pb) mg/kg	52	49	135	0	
Copper (Cu) mg/kg	5	5	9	3	
Sodium (Na) mg/kg	75	32	13	1	
Magnesium (Mg) mg/kg	22	23	54	2	
Boron (B) mg/kg	0	0	1	1	
Aluminium (Al) mg/kg	0	0	1	0	
Silicon (Si) mg/kg	3	0	4	4	
Vanadium (V) mg/kg	0	0	0	3	
WPI	7	2	12	12	

COMMENTS (Sample Number : 48276521, Vessel/Machine Code : V40098/ D07)

Note Lead (Pb) content.

Oil is fit for further use as indicated by the oil properties, but there are indications that abnormal wear or component stress may be taking place.

COMMENTS (Sample Number : 48277732, Vessel/Machine Code : V40098/ D07)

Note Lead (Pb) content.

There are signs of high component stress or severe wear, but the oil itself is fit for further use.

COMMENTS (Sample Number : 48277910, Vessel/Machine Code : V40098/ D07)

Note Tin (Sn) content.

Note Lead (Pb) content.

Oil is fit for further use as indicated by the oil properties, but there are indications that abnormal wear or component stress may be taking place.

COMMENTS (Sample Number : 47321308, Vessel/Machine Code : V40098/ D07)

The oil is suitable for further use and the engine / equipment appears to be operating normally with no indication of abnormal wear or component stress.



RAM 318 XX V4008 XXX

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IHC - Bearing Block

Van Oord Smit

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GRAPHS

