

OILCONDITION MONITORING REPORT

ENGINE PARTICULARS (Information provided by the customer)		
	Port Main Engine	Stbd Main Engine
Make:	MAN	
Model:	B&W CXZ 8L20/27	
Sr. No's:	10463	10464
Date sampling:	12 Aug 25	16 Aug 25
Sampling point:	Before Lub oil filter	
Sampling Method:	Extraction	
Type of Lubricant :	Shell Gadinia S3 40	
System Capacity:	210 Ltrs	

RUNNING HRS DETAILS (Information provided by the customer)		
	Port Main Engine	Stbd Main Engine
Sample ID	M010660	M010661
Oil Running Hours	100.00	500.25
After Major Overhaul Running Hours	8726.35	2011.25
Total Running Hours of the Machinery	29230.20	29052.05

ANALYSIS RESULTS

Description	Method	Fresh Oil (As per OEM datasheet)	Uncertainty (K=2)	Port Main Engine	Stbd Main Engine
				M010660	M010661
Viscosity@40°C (cSt)	ASTMD445	128.0	0.006	138.48	136.93
Viscosity@100°C (cSt)		13.70	0.005	15.30	15.73
Viscosity Index	ASTMD2270	103	N/A	113.20	119.89
Water content %	ASTM D95	< 0.2	0.082	< 0.1	< 0.1

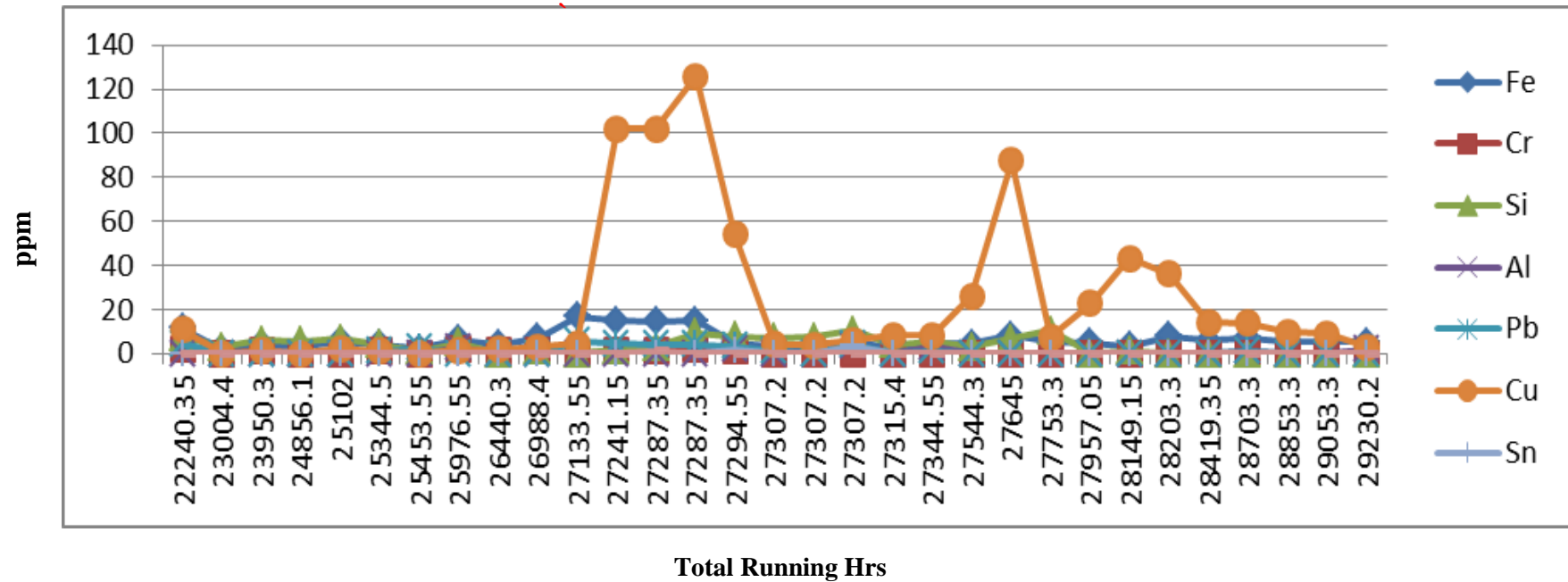
Elemental Concentration as per ASTM D 5185 (ppm)

Element	Maximum Permissible Limit	Fresh Oil Sample	Uncertainty (K=2)	Port Main Engine	Stbd Main Engine
				M010660	M010661
Fe	80	<1.000	0.15	5.114	5.895
Cr	10	<1.000	0.18	<1.000	1.126
Si	15	<1.000	0.17	<1.000	<1.000
Al	20	<1.000	0.28	1.762	<1.000
Pb	20	<1.000	0.13	<1.000	<1.000
Cu	25	<1.000	0.17	3.195	11.200
Sn	10	<1.000	0.20	<1.000	<1.000
Ni	10	<1.000	0.08	<1.000	<1.000

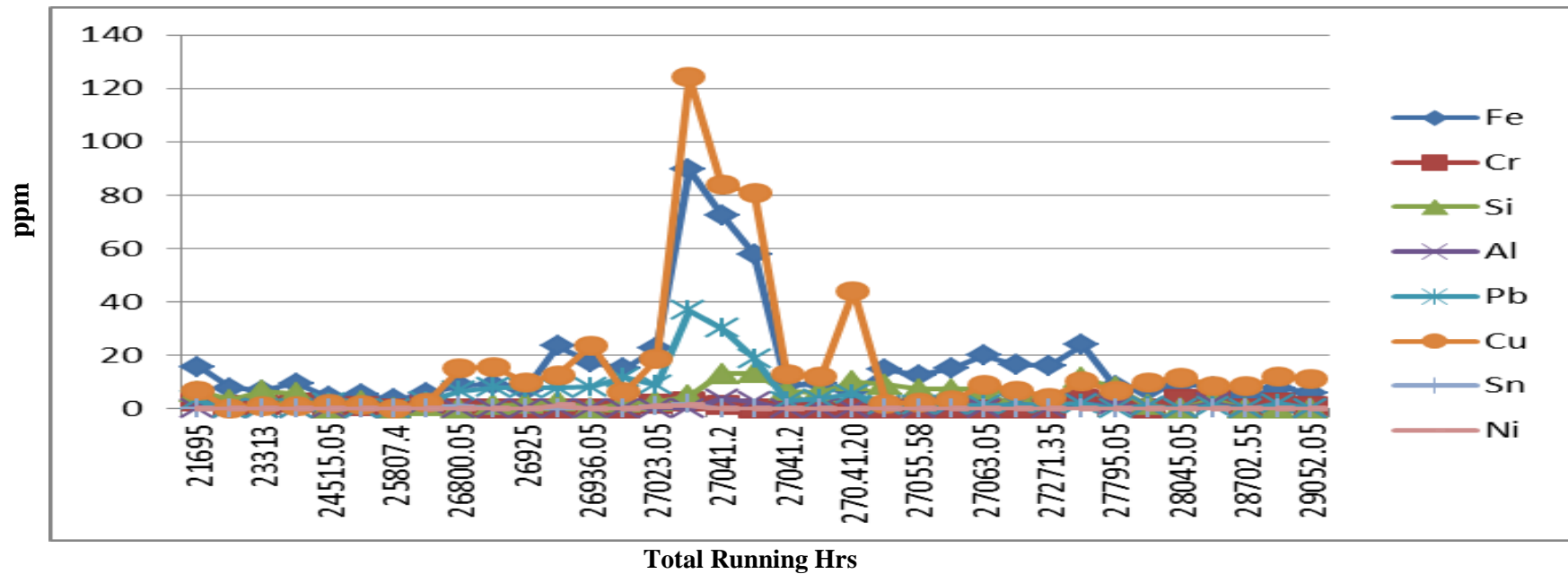
TREND ANALYSIS WITH PREVIOUS REPORTS

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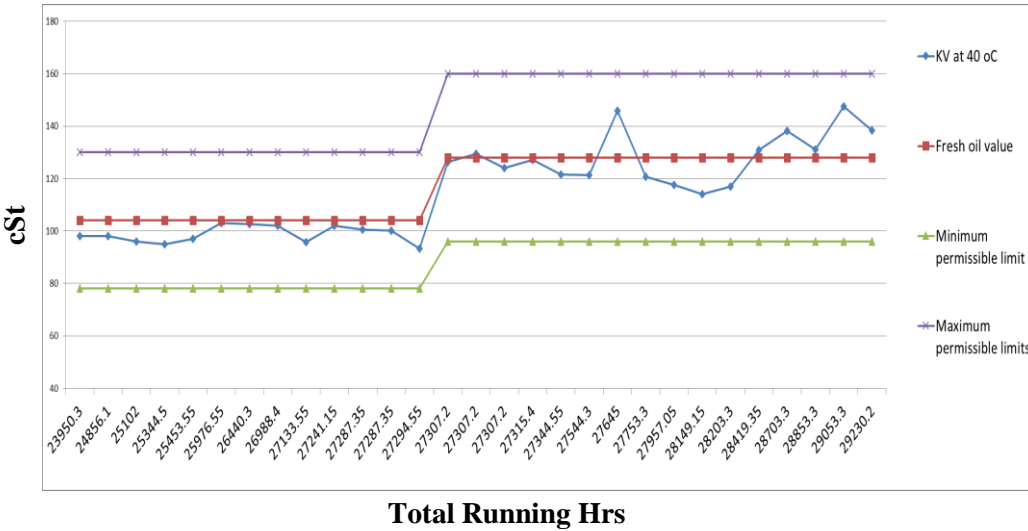
Wear Metals (Port M/E)



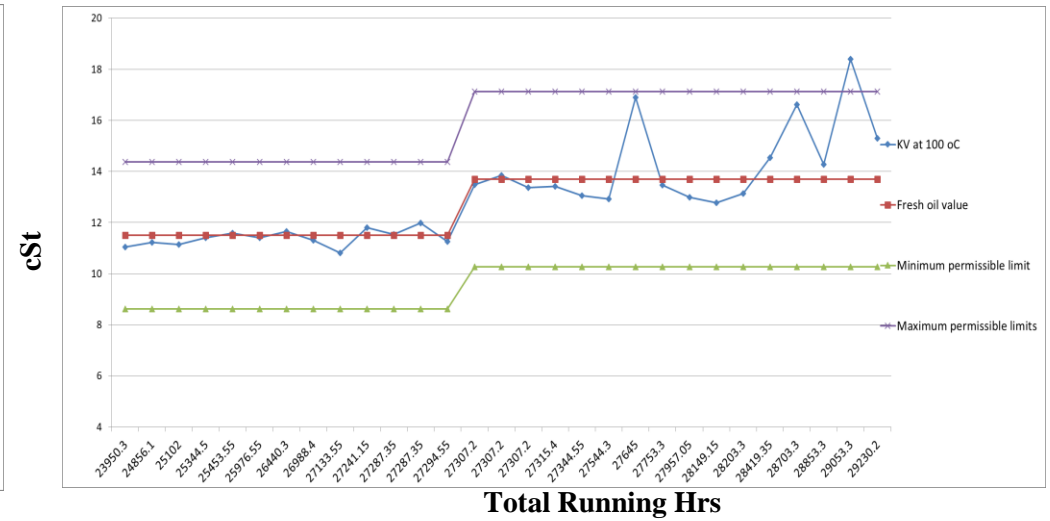
Wear Metals (Stbd M/E)



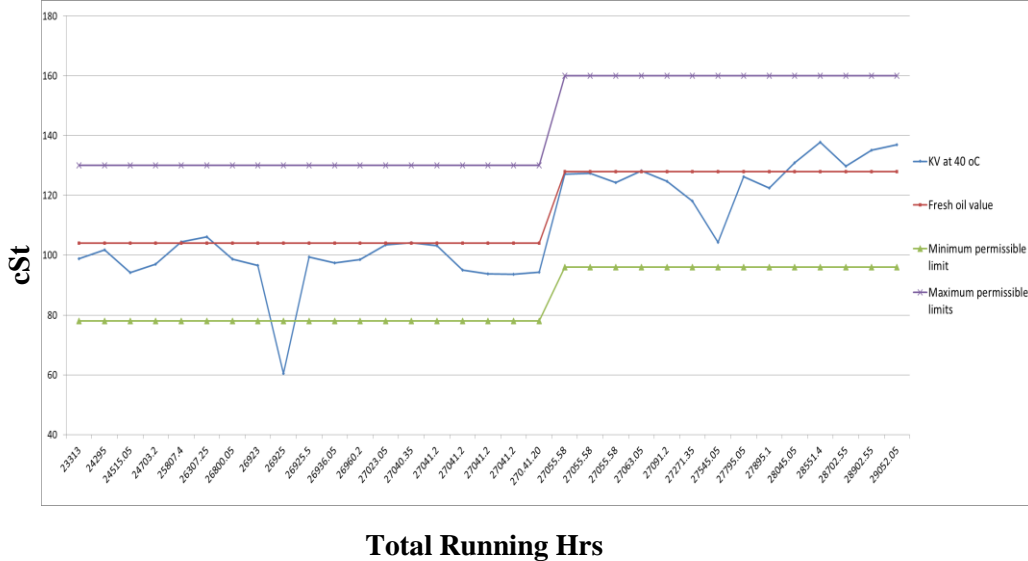
Viscosity (Port M/E) 40°C



100°C



Viscosity (Stbd M/E) 40°C



100°C

