

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
PARADEEP UNIT
INSPECTION SECTION
ALLOY ANALYSIS REPORT

Date: 10.04.2014

Plant : Phosphoric Acid Plant
 Description : VCC-Pump 113 casing & Impeller (Broken & Repaired).
 Chemical Analysis and/or Grade Identification:

Date	Best Match	Description	Cr	Ni	Mo	Cu	Mn	Fe
04-09-14		VCC PUMP 113- IMPELLER (BROKEN) -CONICAL PORTION	28.76	33.79	4.5139	2.31	2.64	27.99
04-09-14	20Mo6	VCC PUMP 113- IMPELLER (BROKEN) - BODY	28.54	32.96	5.0791	2.42	2.69	28.31
04-09-14		VCC PUMP 113- IMPELLER (BROKEN) - BLADE-1 OF 6	29.03	33.56	4.5361	2.3	2.76	27.81
04-09-14		VCC PUMP 113- IMPELLER (BROKEN) - BLADE- 2 OF 6	28.72	33.85	4.3343	2.35	2.75	28
04-09-14		VCC PUMP 113- IMPELLER (REPAIRED) -CONICAL PORTION	29.18	35.52	4.2102	2.35	2.54	26.2
04-09-14		VCC PUMP 113- IMPELLER (REPAIRED) - BODY	29.36	35.52	4.363	2.46	2.52	25.78
04-09-14	SS 904L	VCC PUMP 113- IMPELLER (REPAIRED) - BLADE 1 OF 6	20.15	25.29	4.3477	1.597	1.43	47.18
04-09-14	SS 904L	VCC PUMP 113- IMPELLER (REPAIRED) - BLADE 2 OF 6	20.08	24.98	4.3751	1.501	1.41	47.65
04-09-14	SS 904L	VCC PUMP 113- IMPELLER - CASING LINER	19.75	24.22	4.2672	1.532	1.43	48.8
04-09-14	SS 904L	VCC PUMP 113- IMPELLER -CASING LINER	20.14	24.53	4.1167	1.5014	1.43	48.29
04-09-14	SS 904L	VCC PUMP 113- IMPELLER - SUCTION SPOOL PIECE LINER	17.89	24.63	5.5406	1.65	1.64	48.06
04-09-14	SS 904L	VCC PUMP 113- IMPELLER -SUCTION SPOOL PIECE LINER	20	24.95	4.3352	1.5558	1.46	47.56
04-09-14		VCC PUMP 113- IMPELLER - CASING OUTER	25.23	34.21	4.4498	3.25	2.24	30.21
04-09-14	SS 904L	VCC PUMP 113- IMPELLER - SUCTION SPOOL PIECE OUTER	19.77	25.5	4.3431	1.4942	1.58	47.32

Remarks:

Item Description	Quantity Checked	MOC Confirmed
VCC PUMP 113- IMPELLER (BROKEN) -CONICAL PORTION	01 no	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER (BROKEN) - BODY	01 no	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER (BROKEN) - BLADE	02 nos	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER (REPAIRED) -CONICAL PORTION	01 no	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER (REPAIRED) - BODY	01 no	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER (REPAIRED) - BLADE	02 nos	SS 904L
VCC PUMP 113- IMPELLER - CASING LINER	01 no	SS 904L
VCC PUMP 113- IMPELLER - SUCTION SPOOL PIECE LINER	01 no	SS 904L
VCC PUMP 113- IMPELLER - CASING OUTER	01 no	Nearest match with Sanicro 28
VCC PUMP 113- IMPELLER - SUCTION SPOOL PIECE OUTER	01 no	SS 904L

MWR NO: ----- / Telephonic Requisition / **Intranet Mail**

CC: Executive Director

JGM (M)- Sri K J Patel / DGM (M)- Sri D K Nema / Inspection Section

JGM (M)- Sri R K Jain / JGM (P)- Sri C N Shah / DGM (M)-Sri A Saxena